

ROCK ISLAND NO STREAK WALL REGISTERS



ROCK ISLAND REGISTER CO.
ROCK ISLAND, ILL.

1801-1802

1801-1802

1801-1802

1801-1802

1801-1802



NO-STREAK

GUARANTEED

WALL REGISTERS

OUT-O-WALL REGISTERS

ISLAND CITY REGISTERS

AND

ROCK ISLAND FACES

FURNACE SUPPLIES

ROCK ISLAND REGISTER CO.

2435 FIFTH AVENUE

ROCK ISLAND
ILLINOIS

NO.
8

ROCK ISLAND

ROCK ISLAND



REGISTER CO.

ILLINOIS, U.S.A.

APPROVED BY



• TRADE MARK •



FOREWORD

In offering this catalog to the trade, it is with the assurance of having produced and herein illustrated the Side Wall Registers and Faces your modern requirements have demanded.

The ROCK ISLAND LINE of Wall Registers are the Last Word in Warm Air Register Construction, representing the highest possible Efficiency for Installation and Operation.

Since the invention and marketing of the NO STREAK REGISTER, there have been many imitators and claims for other registers, but there is Only one NO STREAK REGISTER, as evidenced by our registered

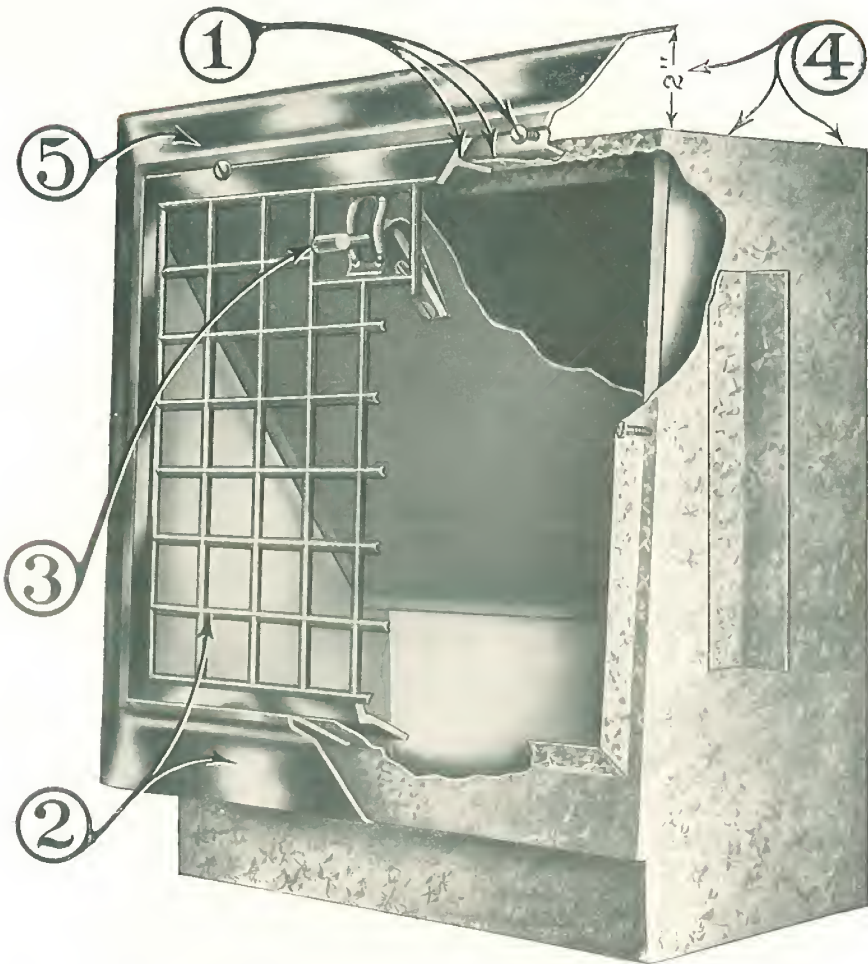


Trade Mark and Patents.

They are Guaranteed. Accept no substitutes.

Table of Contents on back page.

SPECIAL FEATURES FOUND ONLY ON
NO STREAK REGISTERS



1. Patented Expanding Slip-Joint connection all around the Box which prevents the Air from Escaping and Streaking the Walls.
2. Steel Frame and removable Steel Grille having Over Capacity Free Air Opening for discharging full capacity of Pipe.
3. Malleable Lever, easily operated by hand or foot. Positive in Operation. Trouble-Proof and Everlasting.
4. Galvanized tin-lined Box, having Floor line, Wall line and Recessed Top Collar for easy and accurate setting. Note 2-inch trimming space around box for quick and perfect setting of register.
5. Grille easily fastened or quickly removed for cleaning. It is only necessary to remove two large oval head bolts.



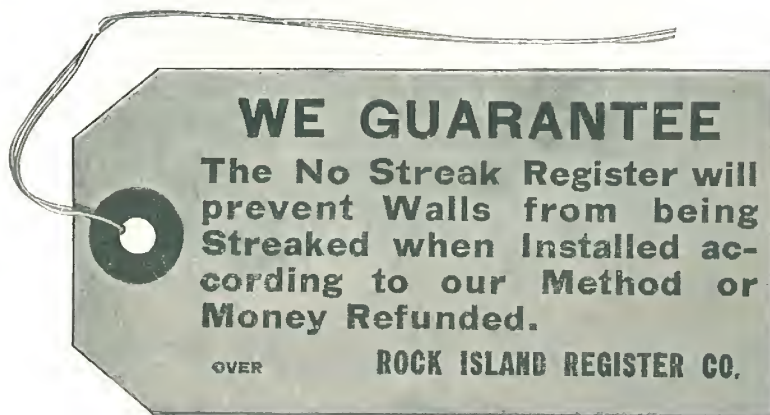
OUR GUARANTEE

The many special features shown on opposite page save your installation Labor and avoid come-backs for repairs or cleaning of Walls.

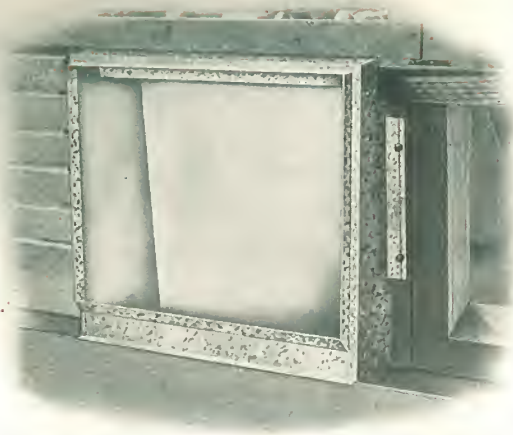
Note the advantages of the No Streak Box for quick and accurate setting: First, the Floor line for correct position; Second the Wall line for position and fastening; Third, the top collar for Stack extension is recessed into the top of the box to give the full 2-inch trimming margin so advantageous on Old house work. (*See first cut on next page.*) This trimming margin is also valuable on new work to cover the rough plastering.

Your attention is particularly called to the Patented Expanding Slip-Joint of the register onto the register box. This joint is made by placing the flange on the frame over the single metal projection on the box and then fastening the frame to the box with two sheet-metal screws that are furnished. (*See second cut on next page.*) Now, the grille is inserted into position at bottom of the frame and pushed back into place and fastened with the two large Oval head bolts. This operation automatically expands the Single projecting edge of box outward between the frame and grille, thereby making an absolutely tight Joint without any additional Labor other than the usual fastening operations. (*See first cut on page 9.*)

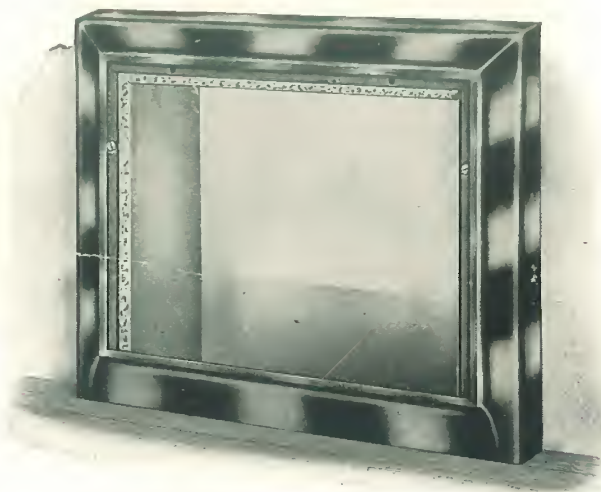
We guarantee this joint to prevent the Streaks, and we place a Guarantee Tag on every register, as shown below. Our Guarantee protects You and Your customer. No Streak Registers Save Labor and Trouble for the Dealer and Save Decorating Expense for the Home Owner. They are the best—therefore, the cheapest—in the End.



This Tag on Every NO STREAK REGISTER



A Roughed-in NO STREAK Box, showing Fastening by the Wall Line and Positioning by the Floor Line.



First operation of Installing register, showing the frame in proper position around the projection on the box and fastened by the two screws into the offset edge of the Box.

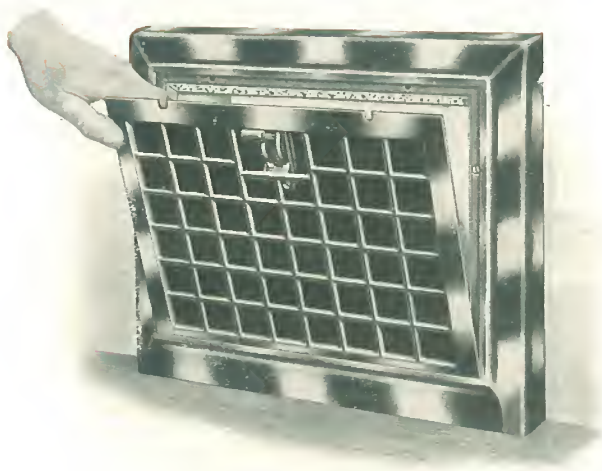
ROCK ISLAND



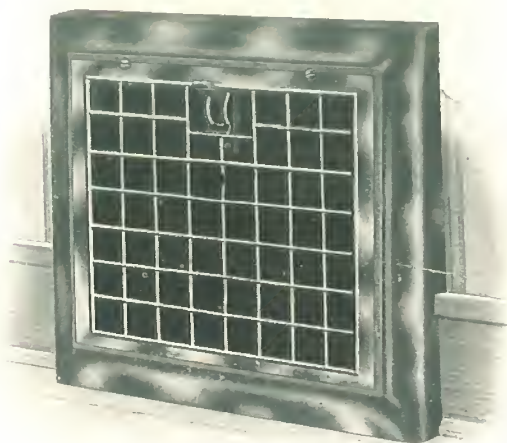
REGISTER CO.

ROCK ISLAND

ILLINOIS, U.S.A.



Second operation of inserting the Grille into position that completes the Interlapping Expanding NO STREAK Joint.



Last operation where installation is completed by fastening the grille in place with the two Oval Head screws. Easily fastened or removed for Clearing.



ROCK ISLAND

ROCK ISLAND



REGISTER CO.

ILLINOIS, U.S. A.



OXIDIZED COPPER FINISH

ROCK ISLAND

ROCK ISLAND



REGISTER CO.

ILLINOIS, U.S.A.



BRUSH BRASS FINISH



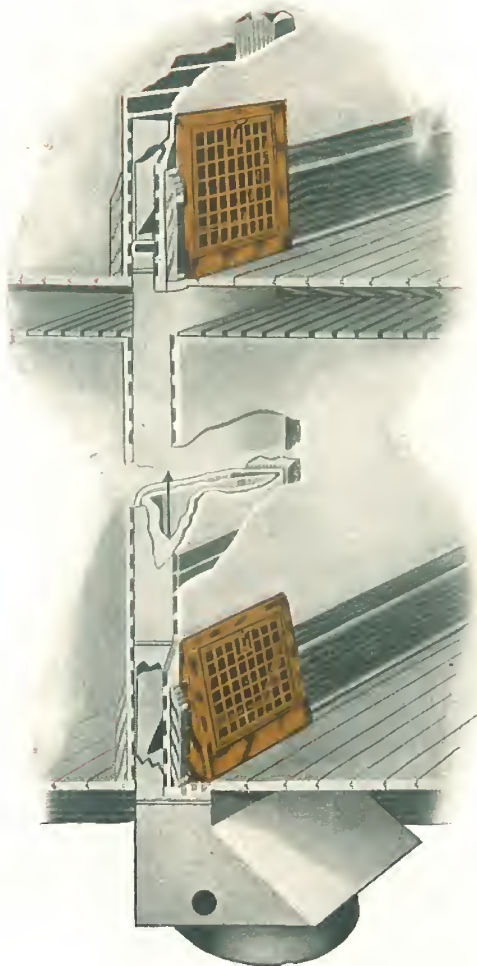
ROCK ISLAND

ROCK ISLAND



REGISTER CO.

ILLINOIS, U.S.A.



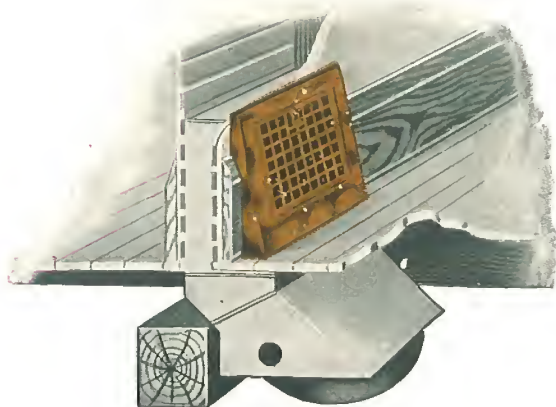
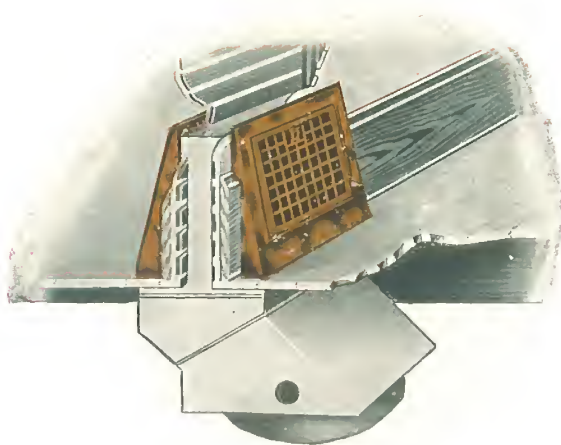
ROCK ISLAND



REGISTER CO.

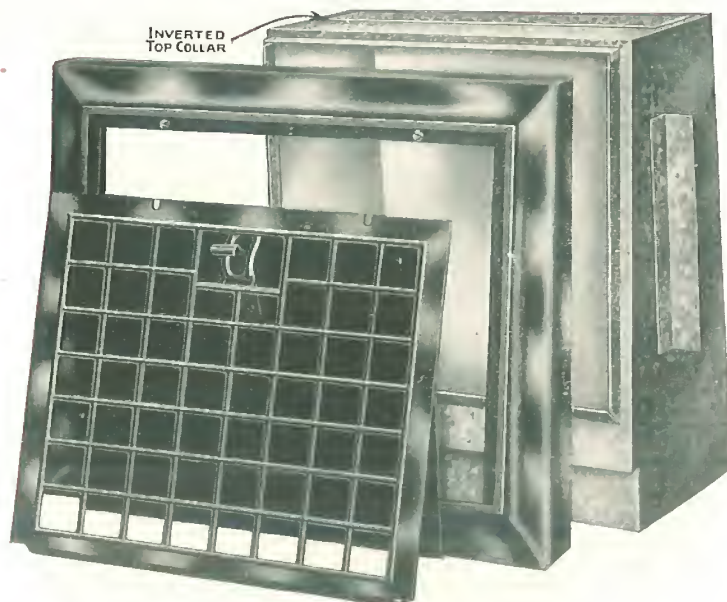
ROCK ISLAND

ILLINOIS, U.S.A.



NO STREAK REGISTERS FOR FIRST FLOOR

ALL STEEL PLAIN LATTICE



WITH DOUBLE BOXES

After determining the Size of Pipe required, consult our Lists for the Number of Register to use.

The Numbers of No Streak Registers correspond to Round Pipe Sizes, No. 8 Register is for a small first floor room requiring an 8-inch Round Pipe and No. 9 Register is for a 9-inch Pipe, and so on.

We recommend the Extension of Wall Pipe to second floor rooms and the Trunk Line systems of piping, as it increases the volume of Air delivered to first floor registers and reduces the number of basement pipes, thereby lowering the cost of Material and Labor and increasing the Efficiency by reducing the heat loss in basement.

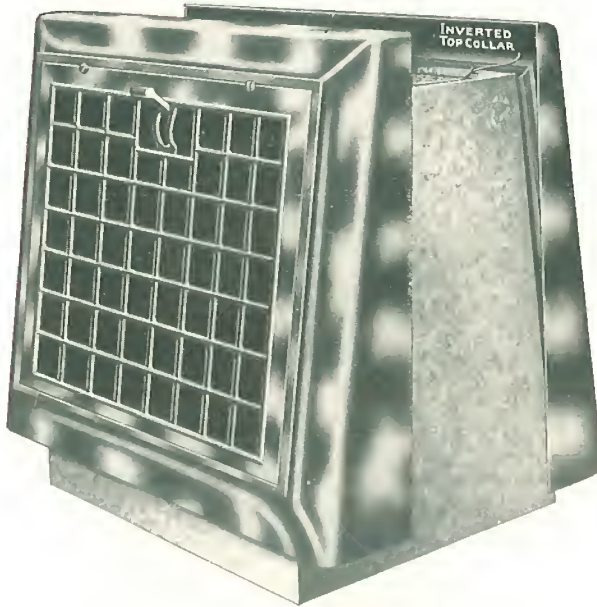
List Price of Single Registers

No.	Round Pipe Size	Boot Size	Top Collar	Free Air in Grille	B. J.	White	Ox. Cop. Nickel or B. Brass
8	8 in.	5½x10⅝	None	55-in.	\$ 6.50	\$ 7.75	\$ 8.60
9	9-in.	5½x12⅝	None	70-in.	8.60	9.75	10.80
10	10-in.	6¾x12⅝	3⅝x12⅝	85-in.	9.40	10.50	11.50
12	12-in.	8¼x13⅝	3⅝x12⅝	115-in.	10.00	12.00	13.00
14	14-in.	9 x16⅝	3⅝x12⅝	155-in.	14.00	16.00	17.00

For Special Boxes, wider or narrower than standard partition, add \$2.00 to list price.

NO STREAK REGISTERS FOR FIRST FLOOR

ALL STEEL PLAIN LATTICE



WITH DOUBLE BOXES

After determining the Size of Pipe required, consult our Lists for the Number of Register to use.

No. 16 Register is for two Small first floor rooms requiring a 9-inch Round Pipe; No. 18 Register is for 10-inch Pipe, and so on.

We recommend the Double Head and Extension of Wall Pipe to second floor rooms with the Trunk Line systems of piping, as it increases the Volume of Air delivered to first floor registers and reduces the number of basement pipes, thereby lowering the cost of Material and Labor and increasing the Efficiency by reducing the heat loss in basement.

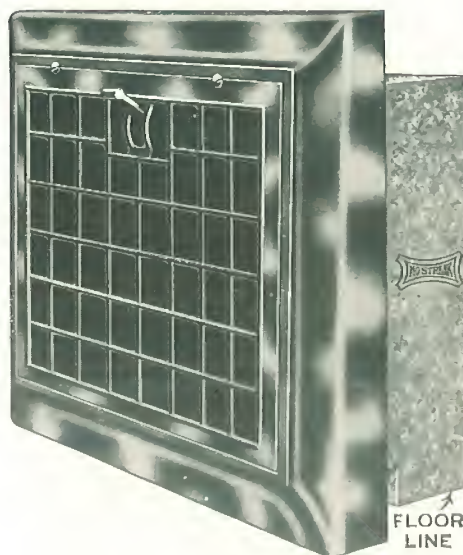
List price of Double Registers

No.	Round Pipe Size	Boot Size	Top Collar	Free Air in Grille	B. J.	White	Ox. Cop Nickel or B. Brass
16	9-in.	7 $\frac{1}{4}$ x10 $\frac{5}{8}$	None	110-in.	\$11.00	\$13.00	\$15.20
18	10-in.	7 $\frac{1}{4}$ x12 $\frac{5}{8}$	None	140-in.	13.00	15.60	17.25
20	12-in.	9 $\frac{7}{8}$ x12 $\frac{5}{8}$	3 $\frac{5}{8}$ x12 $\frac{5}{8}$	170-in.	14.40	17.00	18.80
24	14 or 16-in.	12 $\frac{7}{8}$ x13 $\frac{5}{8}$	3 $\frac{5}{8}$ x12 $\frac{5}{8}$	230-in.	15.20	18.00	19.40
28	16 or 18-in.	14 $\frac{3}{8}$ x16 $\frac{5}{8}$	3 $\frac{5}{8}$ x12 $\frac{5}{8}$	310-in.	21.00	23.40	28.00

For Special Boxes, wider or narrower than standard partition, add \$2.00 to list price.

NO STREAK REGISTERS FOR SECOND FLOOR

ALL STEEL PLAIN LATICE



WITH DOUBLE BOXES

No Streak Second Floor Registers are GUARANTEED the same as the First Floor Registers. Use them throughout for entire satisfaction.

They have Double metal boxes with the same Expanding, Interlapping Slip-Joint connection, and fit all sizes of STANDARD WALL PIPE.

They are set on the Floor, and will save you 8 to 12 inches of Wall Pipe and be more satisfactory than the old style Registers.

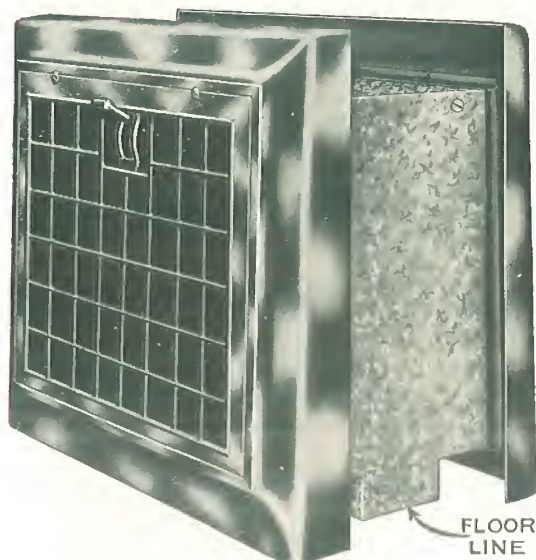
List Price of Single Registers

No.	Wall Pipe Size	Boot Size	Free Air in Grille	B. J.	White	Ox. Cop. Nickel or Brass
8½	No. 5 or 7	3½ ₈ x10 ₅ ₈	55-in.	\$5.00	\$6.10	\$7.20
9½	No. 6 or 8	3 ⁵ ₈ x12 ⁵ ₈	70-in.	5.75	7.00	8.00
10½	No. 9	3 ⁵ ₈ x13 ⁵ ₈	85-in.	8.00	9.10	10.00

For Special Boxes, wider or narrower then standard partition, add \$2.00 to list price.

NO STREAK REGISTERS FOR SECOND FLOOR

ALL STEEL PLAIN LATTICE



WITH DOUBLE BOXES

No Streak Second Floor Registers are GUARANTEED the same as the First Floor Registers. Use them throughout for entire satisfaction.

They have Double metal boxes with the same Expanding, Interlapping Slip-Joint connection, and fit all sizes of STANDARD WALL PIPE.

They are set on the Floor and will save you 8 to 12 inches of Wall Pipe and be more satisfactory than the old style Registers.

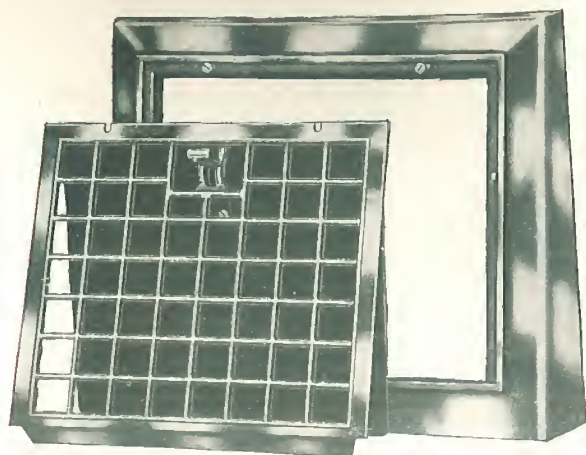
List price of Double Registers

No.	Wall Pipe Size	Boot Size	Free Air in Grille	B. J	White	Ox. Cop., Nickel or Brass
16½	No. 5 or 7	3⅝x10⅝	110-in.	\$ 9.40	\$11.20	\$13.00
18½	No. 6 or 8	3⅝x12⅝	140-in.	10.80	13.00	14.40
20½	No. 9	3⅝x13⅝	170-in.	12.20	14.70	16.90

For Special Boxes, wider or narrower than standard partition, add \$2.00 to list price.



NO STREAK REGISTERS ONLY



List Price of Register Without Box

No.	Round Pipe Size	Boot Size	Free Air in Grille	B. J.	White	Ox. Cop., Nickel or Brass
8	8-in.	5 1/2 x 10 5/8	55-in.	\$ 4.00	\$ 5.10	\$ 6.20
9	9-in.	5 1/2 x 12 5/8	70-in.	5.00	5.60	7.40
10	10-in.	6 3/4 x 12 5/8	85-in.	6.70	7.95	9.20
12	12-in.	8 1/4 x 13 5/8	115-in.	7.20	8.70	10.20
14	14-in.	9 x 16 3/8	155-in.	10.70	12.30	13 90

DIMENSIONS FOR CUTTING OPENINGS TO SET ALL SIZES OF

NO STREAK REGISTERS

Single Head Register

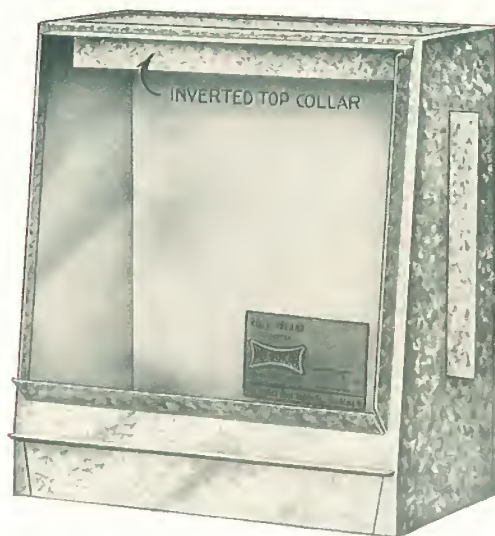
Register Number.....	8 1/2	9 1/2	10 1/2	8	9	10	12	14
Width across opening.....	11"	13"	14"	11"	13"	13"	14 1/4"	17"
Height above finished floor.....	10 3/4"	11 3/4"	11 3/4"	10 3/4"	11 3/4"	12 1/2"	14 1/2"	15 3/4"
Front to back of opening.....	3 3/4"	3 3/4"	3 3/4"	5 3/4"	5 3/4"	7"	8 1/2"	9 3/8"

Double Head Register

Register Number.....	16 1/2	18 1/2	20 1/2	16	18	20	24	28
Width across opening.....	11"	13"	14"	11"	13"	13"	14 1/4"	17"
Height above finished floor.....	10 3/4"	11 3/4"	11 3/4"	10 3/4"	11 3/4"	12 1/2"	14 1/2"	15 3/4"
Front to back of opening.....	3 3/4"	3 3/4"	3 3/4"	7 3/4"	7 3/4"	10 1/4"	13 1/4"	15"



NO STREAK BOXES ONLY



No Streak Register Boxes are all made Double of Galvanized Iron with Tin Linings, having ample space between the Lining and outside of box for Ventilation and protection, thereby insuring durability and the highest possible Efficiency.

Note the Self-setting Flanges and Positive Floor-line for quick and accurate placing of Box, also inverted Collar Top for increasing cutting margin.

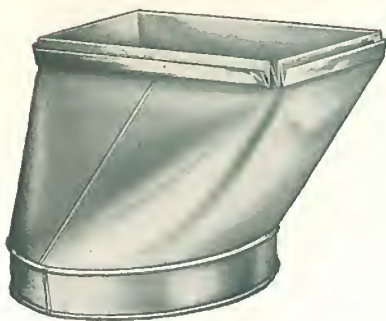
All No Streak Register Boxes have equal Boot Area as the Round Pipe Specified in our lists.

List Price of Register Box

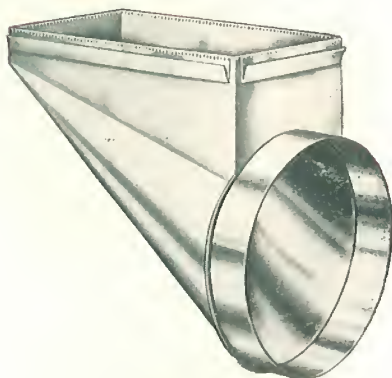
Single Header		Double Header	
No.	List	No.	List
8½	\$2.20	16½	\$2.85
9½	2.65	18½	3.20
10½	3.20	20½	3.90
8	2.50	16	3.50
9	3.00	18	3.70
10	3.20	20	3.90
12	3.60	24	4.40
14	4.00	28	5.20

For Special Boxes, wider or narrower than standard partition, add \$2.00 to list price.

SINGLE FITTINGS FOR NO STREAK REGISTERS



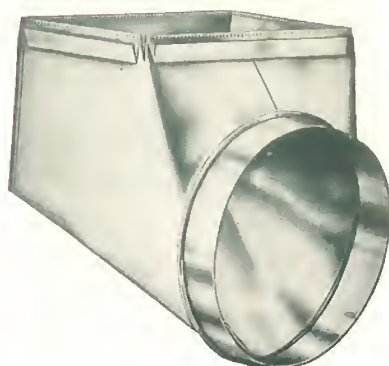
No. 5 Boot



No. 17 Boot



No. 7 Boot and No. 6 Angle

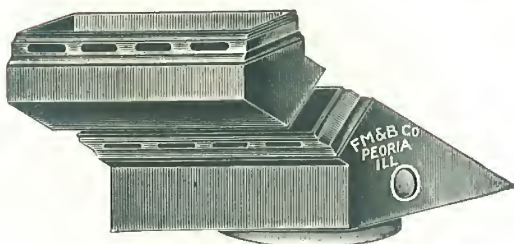


No. 13 Boot

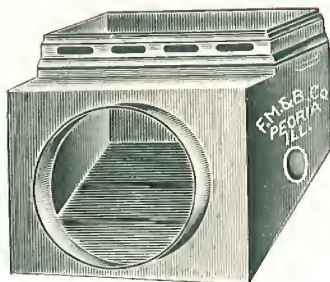
List Prices

No. of Register	No. 6 Angle	Nos. 5 and 7 Boots	Nos. 13 and 17 Boots	No. 7 Boot with Angle
8	\$.50	\$.84	\$1.00	\$1.34
9	.54	.90	1.06	1.44
10	.60	1.04	1.20	1.64
12	.68	1.20	1.36	1.88
14	1.12	1.50	1.66	2.62
16	.58	1.00	1.16	1.58
18	.62	1.06	1.22	1.68
20	.68	1.20	1.36	1.88
24	1.00	1.34	1.50	2.35
28	1.25	1.66	1.82	2.91

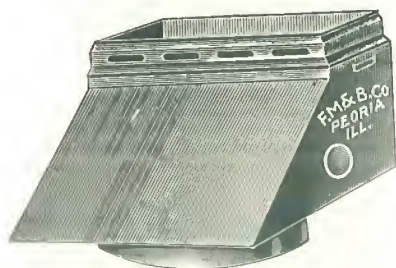
HANDY DOUBLE FITTINGS FOR NO STREAK REGISTERS



No. 6 Angle and No. 12 Boot



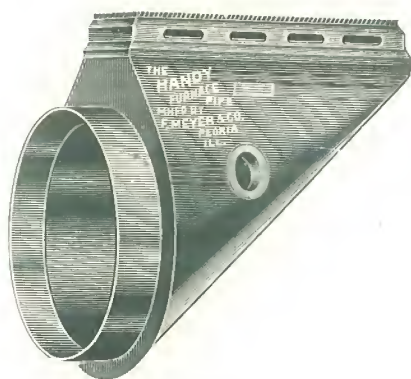
No. 11 Boot



No. 10 Boot



No. 6 Angle



No. 18 Boot

List Prices

No.	Outside Size of Handy Pipe	Size of Collar in boot	No. 6 Angle	No. 18 Boot	No. 10 11, 12 Boot	2-Inch Piece	4-Inch Piece	6½-Inch Piece	8-Inch Piece
8	5½x10⅝	8-in.	\$1.06	\$2.46	\$2.10	\$.70	\$.78	\$.92	\$.98
9	5½x12⅝	9-in.	1.12	2.60	2.24	.74	.82	.96	1.02
10	6¾x12⅝	10-in.	1.32	2.94	2.60	.84	.92	1.06	1.12
12	8¼x13⅝	12-in.	1.48	3.30	2.94	1.20	1.26	1.40	1.48
14	9 x16⅝	14-in.	2.73	4.00	3.64	1.54	1.62	1.76	1.82
16	7⅞x10⅝	9-in.	1.24	2.80	2.46	1.06	1.12	1.26	1.34
18	7¼x12⅝	10-in.	1.32	2.94	2.60	1.10	1.16	1.30	1.38
20	9⅞x12⅝	12-in.	1.48	3.30	2.94	1.20	1.26	1.40	1.48
24	12⅞x13⅝	14-in.	2.47	3.64	3.30	1.34	1.40	1.54	1.62
28	14⅝x16⅝	16-in.	3.00	4.34	4.00	1.76	1.82	1.96	2.04

ROCK ISLAND

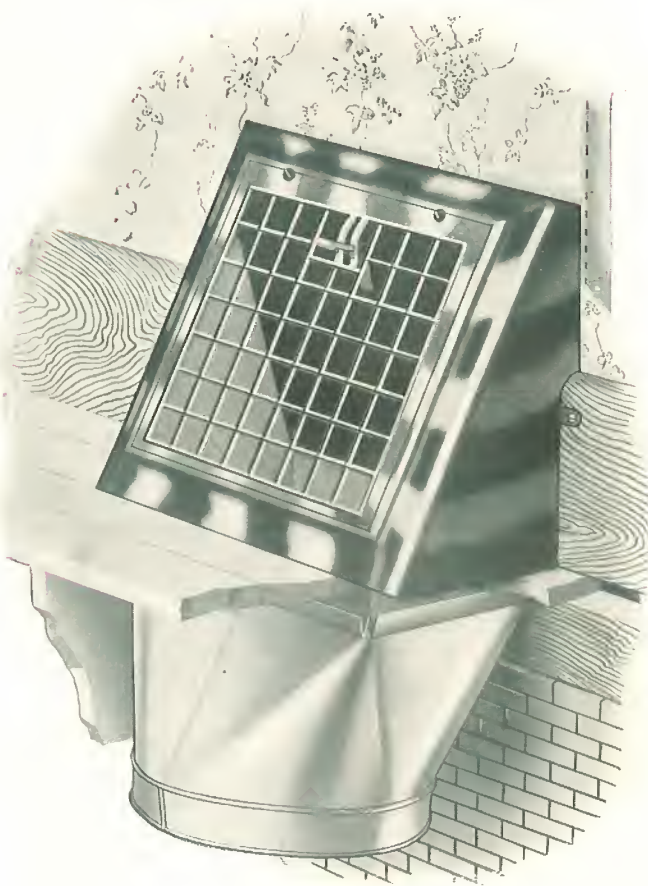
ROCK ISLAND



REGISTER CO.

ILLINOIS, U.S.A.

THE OUT-O-WALL REGISTER



Patent Pending

By making the installation easier than any other, therefore cheaper and more satisfactory.

It is the register you have wanted for a long, long time but was never able to obtain before the production of the OUT-O-WALL.

OUT-O-WALL Registers are the only satisfactory and efficient register for Old House furnace work and all other jobs where there is a *double joist, sill or wall* under the partition. You will save ninety per cent (90%) of the usual labor required to cut an ordinary side wall register into the partition because the OUT-O-WALL Registers are set against the wall, therefore, as easily set as a floor register.



You also save by avoiding the use of angles, elbows and special fittings usually necessary when the ordinary side wall registers set into the partition on old work.

Avoid that unnecessary expense.

OUT-O-WALL Registers excell all others in Efficiency by having the register face set at the proper angle to the discharge pipe and the combination of this New Feature with the Deflector or Valve that discharges the air and diffuses it outward into the room.

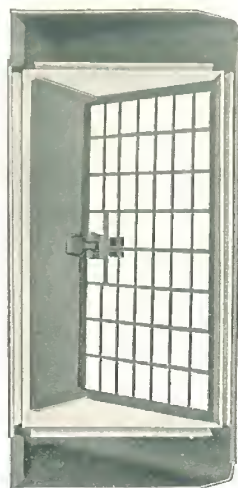
They are made in all the standard pipe sizes from 8 in. to 24 in. and the boot openings are interchangeable with our regular NO STREAK Line You can install your Pipeless with them as readily as a Pipe Job.

OUT-O-WALL Registers are very attractive in appearance owing to being properly designed and finished and will please every Home-owner.

No matter what register you may be using your stock is not complete without a few of the common pipe sizes (9in.-10in.-12in.) OUT-O-WALL Registers on hand for Old House Work and those situations which are coming right along where you cannot install the Ordinary Wall Register.



Backview



Bottom View

Patent Pending

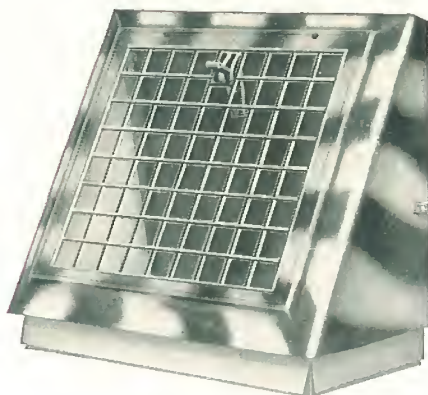
The Bottom View shows the large Free Air Opening and easy discharge of the OUT-O-WALL, which gives them higher Efficiency than other registers

They are a complete Unit (no box to bother with, see back view) and it is only necessary to drop them in the opening and fasten to the base-board with two (2) wood screws.





THE OUT-O-WALL REGISTER



Patent Pending

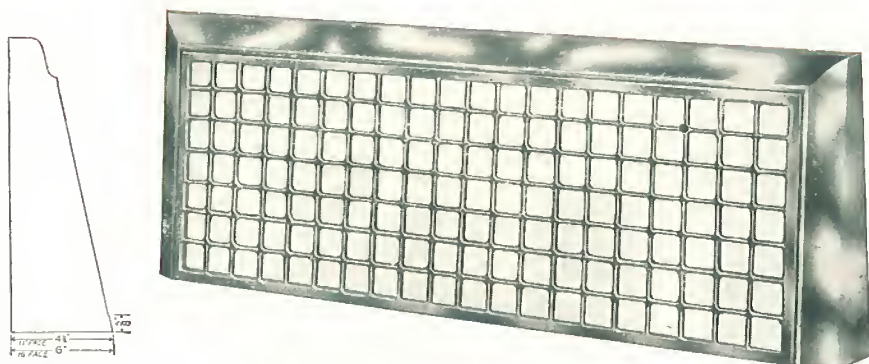
List Prices

No.	Round Pipe Size	Boot Size	Free Air in Grille	B. J.	White	Ox. Cop. Nickle or B. Brass
8	8-in.	5½x10⅝	55-in.	\$ 6.50	\$ 7.75	\$ 8.60
9	9-in.	5½x12⅝	70-in.	8 60	9 75	10.80
10	10-in.	6¾x12⅝	85-in.	9.40	10.50	11.50
12	12-in.	8¼x15⅝	115-in.	10.00	12 00	13 00
14	14-in.	9 x16⅝	155-in.	14 00	16 00	17.00
200	16-in.	8¼x26	200-in.	16.70	18 30	21 00
250	18-in.	8¼x27½	260-in.	19.00	21.00	24.70
300	20 or 22 in.	9 x 33	310-in.	23.70	26.00	31.40
350	24-in.	9 x 50	465-in.	34.30	37 70	43.60

List Prices

			SINGLE FITTINGS			DOUBLE FITTINGS		
No.	Size of Collar in Boot	Boot Opening-Size	Nos 5, 7 and 19 Boots	No. 6 Angle	Nos. 13 and 17 Boots	No. 10, 11, 12, Boot	No. 6 Angle	No. 18 Boot
8	8-in.	5½x10⅝	\$.84	\$.50	\$1.00	\$2.10	\$1.06	\$ 2.46
9	9-in.	5½x12⅝	.90	.54	1.06	2.24	1.12	2.00
10	10-in.	6¾x12⅝	1.04	.60	1.20	2.60	1.32	2.94
12	12-in.	8¼x13⅝	1.20	.68	1.36	2.94	1.48	3.30
14	14-in.	9 x16⅝	1.50	1.12	1.66	3.64	2.73	4.00
200	16-in.	8¼x26	3.00	2 10	Boots larger than 14-in. collar are made of Heavy Galvanized Iron.			
250	18-in.	8¼x27½	4.00	2.40				
300	20 or 22-in.	9 x 33	4.80	2.90				
350	24-in.	9 x 50	6.30	3 70				

ROCK ISLAND COLD AIR FACES



BASEBOARD COLD AIR FACES

The Rock Island Cold Air Faces are designed to match the NO STREAK and Island City Registers.

The design is pleasing and they have full free air opening for the several pipe sizes. Easily attached and always satisfactory.

List Prices

No. or Size	Round Pipe Size	Net Wall Opening Height-Width	Net Area Sq. Inches	Black Japanned	Oxydized Copper	Nickel or B. Brass
11 x 16	12"	10"x16"	112"	\$ 2.50	\$ 4.50	\$ 4.80
11 x 32	16"	10"x31"	224"	5.00	9.00	10.00
16 x 16	14"	13"x15 1/2"	162"	4.50	8.00	9.00
16 x 32	18" or 20"	13"x31"	324"	9.00	16.00	18.00

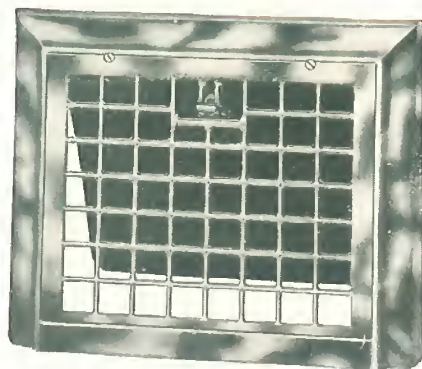
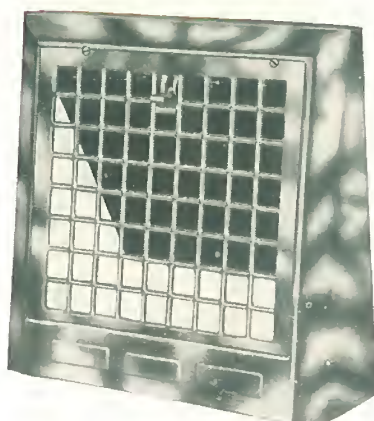
CONVEX COLD AIR OR VENTILATING PLATES



List Prices

No. or Size	Round Pipe Size	Net Wall Opening Height-Width	Net Area Sq. Inches	Black Japanned	White	Oxydized Copper	Nickel or B. Brass
6 x 16	9"	4 3/4"x15"	60"	\$ 1.00	\$1.40	\$ 2.00	\$ 2.40
6 x 32	12"	4 3/4"x30"	120"	2.15	3.00	4.60	5.00

ISLAND CITY REGISTERS



A high quality register for General work that will fit the Standard makes and sizes of Register boxes.

Easily installed because there are only two fastening screws, and also owing to the two-inch trimming space which covers rough plastering and gives ample cutting margin on old house work.

The Grille is Removable for cleaning and has the same dependable operating device as the No Streak Registers.

Sizes 8x10 to 10 x 12, inclusive, made with 1 $\frac{1}{8}$ inch Base.

Sizes 10 x 13 and 12 x 14 made with 3-inch Base.

List Prices

First Floor

Size	Boot Size	Pipe or Stack Size	B. J.	White	Ox. Cop.	Brass or Nickel
8x10	5 $\frac{1}{2}$ x10 $\frac{5}{8}$	8-in.	\$2.00	\$2.40	\$3.50	\$3.85
8x12	5 $\frac{1}{2}$ x12 $\frac{5}{8}$	9-in.	2.40	2.90	3.95	4.35
9x12	5 $\frac{1}{2}$ x12 $\frac{5}{8}$	9-in.	3.00	3.50	4.50	4.90
10x12	6 $\frac{1}{2}$ x12 $\frac{5}{8}$	10-in.	3.65	4.25	5.40	6.00
10x13	8 $\frac{5}{8}$ x13 $\frac{5}{8}$	12-in.	5.25	6.00	7.50	8.25
12x14	8 $\frac{5}{8}$ x14 $\frac{5}{8}$	14-in.	6.50	7.50	8.50	9.50

Second Floor

8x10	3x10	No. 7 or 3x10	\$2.00	\$2.40	\$3.50	\$3.85
8x12	3x12	No. 8 or 3x12	2.40	2.90	3.95	4.35
9x12	3x12	No. 8 or 3x12	2.50	3.00	4.00	4.40
10x12	3x12	No. 8 or No. 9	3.00	3.60	4.90	5.50



SINGLE FITTINGS FOR ISLAND CITY REGISTERS

LIST PRICES

Fittings for No. 2 Heads						Fittings for No. 3 Heads					
Size	Size of Collar in Boot	No. 2 Head	No. 17's Boot & No. 2's Head with Top Collar	No. 5's and 7's Boot	No. 6's Angle	Size	Size of Collar in Boot	No. 3 Head	No. 7's Boot & No. 3's Head with Top Collar	No. 5's and 7's Boot	No. 6's Angle
8x10	8"	\$0.70	\$0.84	\$0.70	\$0.40	8x10	8"	\$0.80	\$0.84	\$0.70	\$0.40
8x12	8"- 9"	.80	.96	.80	.44	8x12	8"- 9"	.90	.96	.80	.44
9x12	8"- 9"	.96	.96	.80	.44	9x12	8"- 9"	1.12	.96	.80	.44
10x12	9"-10"	1.04	1.20	.90	.44	10x12	9"-10"	1.20	1.20	.90	.44

First Floor

8x10	8"	\$0.84	\$1.00	\$0.84	\$0.50	8x10	9"	\$1.00	\$1.16	\$1.00	\$0.58
8x12	9"	.90	1.20	.90	.54	8x12	10"	1.06	1.22	1.06	.62
9x13	9"	.90	1.20	.90	.54	9x12	10"	1.06	1.22	1.06	.62
10x12	10"	.96	1.12	.96	.60	10x12	12"	1.12	1.28	1.12	.68
10x12	12"	1.34	1.50	1.34	.70	10x13	12"-14"	1.50	1.66	1.50	1.00
12x14	14"	1.44	1.60	1.44	.90	12x14	14"-16"	1.60	1.76	1.60	1.20

HANDY DOUBLE FITTINGS

For No. 2 Heads

Second Floor

Size	Boot Opening	Size of Collar in Boot	No. 2 Head	No. 2 Head with Top Collar and No. 18 Boot	Nos. 10, 11 and 12. Boot	Angle	2-Inch Piece	4-Inch Piece	6½-Inch Piece	8-Inch Piece
8x10	3½x10½	8"	\$1.68	\$2.04	\$1.68	\$0.64	\$0.38	\$0.46	\$0.60	\$0.68
8x12	3½x12½	8"- 9"	1.76	2.10	1.76	.70	.54	.60	.76	.84
9x12	3½x12½	8"- 9"	2.24	2.24	1.76	.70	.54	.60	.76	.84
10x12	3½x13½	9"-10"	2.60	2.60	1.90	.84	.60	.76	.90	.98

First Floor

8x10	5½x10½	8"	\$2.10	\$2.46	\$1.06	\$2.10	\$0.70	\$0.78	\$0.92	\$1.00
8x12	5½x12½	9"	2.24	2.60	1.12	2.24	.74	.82	.96	1.04
9x12	5½x12½	9"	2.24	2.60	1.12	2.24	.74	.82	.96	1.04
10x12	6½x12½	10"	2.38	2.74	1.20	2.38	.78	.84	.98	1.06
10x13	8½x13½	12"	3.30	3.64	2.47	3.30	1.20	1.26	1.40	1.48
12x14	8½x14½	14"	3.50	3.86	2.62	3.50	1.26	1.34	1.48	1.54

For. No 3 Heads

Second Floor

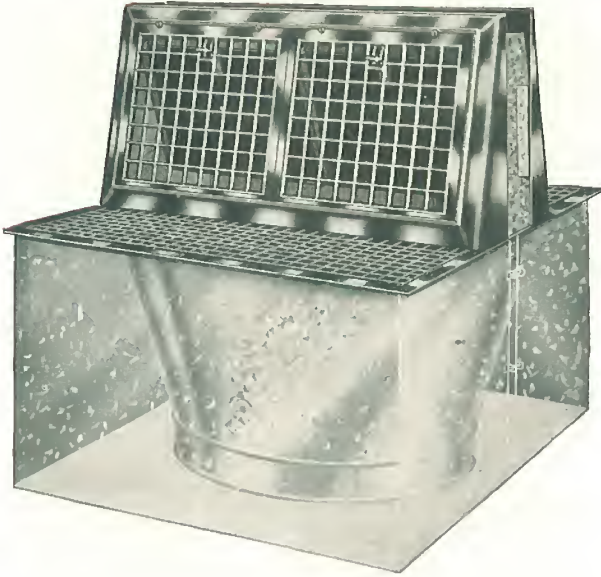
Size	Boot Opening	Size of Collar in Boot	No. 3 Head	No. 3 Head with Top Collar and No. 18 Boot	Angle	Nos. 10, 11 and 12. Boot	2-Inch Piece	4-Inch Piece	6½-Inch Piece	8-Inch Piece
8x10	3½x11½	8"	\$2.04	\$2.04	\$0.64	\$1.68	\$0.38	\$0.46	\$0.60	\$0.68
8x12	3½x12½	8"- 9"	2.10	2.10	.70	1.76	.54	.60	.76	.84
9x12	3½x12½	8"- 9"	2.74	2.74	.70	1.76	.54	.60	.76	.84
10x12	3½x13½	9"-10"	2.94	2.94	.84	1.90	.60	.76	.90	.98

First Floor

8x10	7½x10½	9"	\$2.46	\$2.80	\$1.24	\$2.46	\$1.06	\$1.12	\$1.26	\$1.34
8x12	7½x12½	10"	2.60	2.94	1.32	2.60	1.10	1.16	1.30	1.38
9x12	7½x12½	10"	2.60	2.94	1.32	2.60	1.10	1.16	1.30	1.38
10x12	8½x12½	12"	2.74	3.08	1.38	2.74	1.12	1.20	1.34	1.40
10x13	13½x13½	12"-14"	3.64	4.00	2.78	3.64	1.54	1.62	1.76	1.82
12x14	13½x14½	14"-16"	3.86	4.20	2.90	3.86	1.62	1.68	1.82	1.90



ROCK ISLAND SPECIAL REGISTERS



They Make a Real Heating Plant of Your Pipeless.

The Rock Island Special Registers are designed for very large rooms, and the One, Two and Three-pipe Installations. Made in a complete range of pipe sizes from 14 to 24-inch Single Registers and 32" on Double Registers.

They are the Only Large Registers combining the essential features of full free air capacity of Grille and Boot with our Guaranteed No Streak Joint.

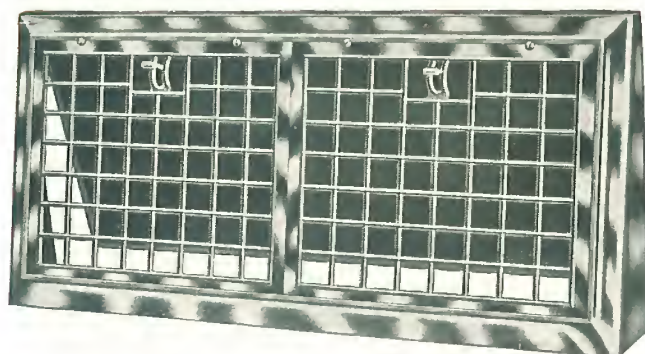
The Grilles are removable for cleaning and have our perfect operating device for Valve control. Particularly advantageous in the summer months to close openings to prevent dirt from gathering and children putting play-things, etc., into the furnace pipe.

Rock Island Special Registers are far superior to the ordinary Duplex face that reduces the heating capacity of your furnace because it does not have proper Free Air opening. It is ridiculous to expect efficiency or durability from a Furnace using a face that permits of but two-thirds of the Free Air in casing to pass through. Rock Island Special Registers distribute the Heat evenly, reduce friction, and avoid the Floor drafts that are common with all Floor face Jobs.

You can save the difference of the price of a size smaller furnace and secure an efficient and lasting Heating Plant by using the Rock Island Special Registers.



ROCK ISLAND SPECIAL REGISTERS



The Rock Island Special Register meets all requirements for Capacity, Easy Installation, Satisfactory Operation and Permanent Service.

REGISTER ONLY

List Prices

No.	Round Pipe Size	Boot Sizes	Free Air in Grille	Black	Ox. Cop., Nickel or Brass
150	14-in.	9 x16 $\frac{5}{8}$	155	\$10.50	\$14.00
200	16-in.	8 $\frac{1}{4}$ x26	170	12.50	17.00
250	18-in.	8 $\frac{1}{4}$ x27 $\frac{1}{2}$	200	14.00	20.00
300	20 or 22-in.	9 x33	310	17.00	25.00
350	24-in.	9 x50	465	25.00	35.00

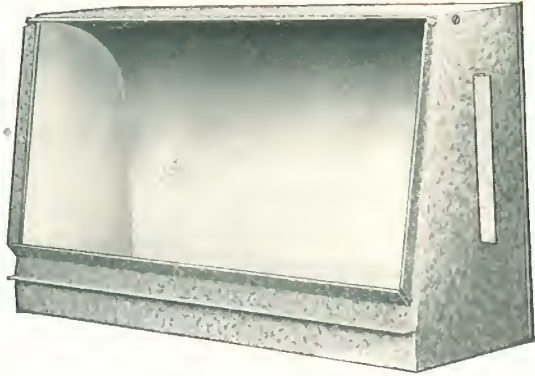
For Registers without Valves, deduct \$1.00 List for each Valve. No. 150—1 Valve; Nos. 200, 250, 300—2 Valves; No. 350—3 Valves.

TABLES FOR VARIOUS REGISTER, FACE AND PIPE SIZES

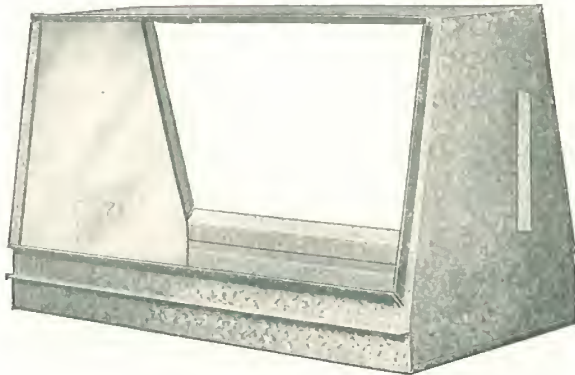
	Hot Air Pipe	No. Register	Floor Space Size	Hot Air Boot Size	Outside Dimension of Register
No. 2	14"	1—No. 150	1—14x16	9 x16 $\frac{5}{8}$	17 x20 $\frac{1}{2}$
	16"	1—No. 200	1—12x30	8 $\frac{1}{4}$ x26	13 $\frac{1}{2}$ x29
	18"	1—No. 250	1—14x30	8 $\frac{1}{4}$ x27 $\frac{1}{2}$	16 x32
	20"-22"	1—No. 300	1—16x32	9 x33	17 $\frac{1}{2}$ x37 $\frac{1}{2}$
	24"	1—No. 350	2—14x24	9 x50	17 $\frac{1}{2}$ x54
No. 3	16"	2—No. 150	2—12x18	13 $\frac{1}{2}$ x16 $\frac{3}{4}$	17 x20 $\frac{1}{2}$
	18"-20"	2—No. 200	2—10x24	12 $\frac{7}{8}$ x26	13 $\frac{1}{2}$ x29
	22"	2—No. 250	2—10x30	12 $\frac{7}{8}$ x27 $\frac{1}{2}$	16 x 32
	24"-26"	2—No. 300	2—12x36	14 $\frac{3}{8}$ x33	17 $\frac{1}{2}$ x37 $\frac{1}{2}$
	30"-32"	2—No. 350	2—12x48	14 $\frac{3}{8}$ x50	17 $\frac{1}{2}$ x54

ROCK ISLAND SPECIAL HEADS

The boxes for Rock Island Special Registers have the same features for easy installation and the No Streak Joint as our other NO STREAK boxes.



No. 2 Head



No. 3 Head



No. 5 Boot



ROCK ISLAND SPECIAL HEADS

NO. 2—SINGLE HEADERS

List Prices

No.	Round Pipe Size	Boot Size	No. 2 Head	Nos. 5 or 19 Boot	No. 6 Angle
150	14 in.	9 x 16 $\frac{5}{8}$	\$ 4.00	\$2.25	\$1.50
200	16-in.	8 $\frac{1}{4}$ x26	5.10	3.60	2.10
250	18-in.	8 $\frac{1}{4}$ x27 $\frac{1}{2}$	6.00	4.00	2.40
300	20 or 22-in.	9 x33	8.00	4.80	2.90
350	24-in.	9 x50	11.00	6.30	3.70

No. 3—DOUBLE HEADERS

No.	Round Pipe Size	Boot Size	No. 3 Head	Nos. 5 or 19 Boot	No. 6 Angle
150	16-in.	13 $\frac{1}{2}$ x16 $\frac{3}{4}$	\$ 5.00	\$2.70	\$1.80
200	18-in.	12 $\frac{7}{8}$ x26	6.00	4.20	2.50
250	20 or 22-in.	12 $\frac{7}{8}$ x27 $\frac{1}{2}$	7.25	5.00	3.00
300	26-in.	14 $\frac{3}{8}$ x33	9.50	6.50	3.90
350	30 or 32-in.	14 $\frac{3}{8}$ x50	13.00	9.00	5.40

SQUARE COLD AIR BOOTS

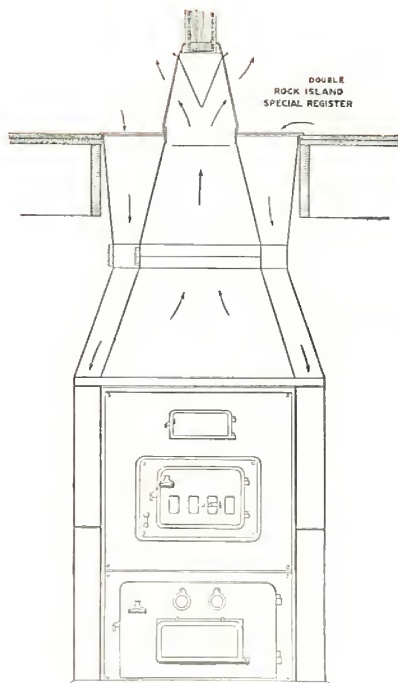
As Shown on Page 26

List Prices

Square boot to inclose H. A. boot and C. A. Faces	No. 3 Hd. No. 150	No. 3 Hd. No. 200	No. 3 Hd. No. 250	No. 3 Hd. No. 300	No. 3 Hd. No. 350
	\$4.05	\$6.30	\$7.50	\$9.75	\$13.50

DIMENSIONS FOR CUTTING OPENINGS

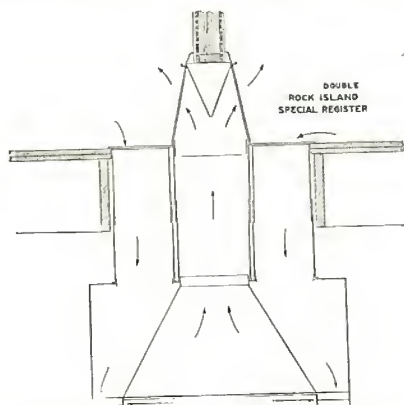
No. of Register	No. 2 Head			No. 3 Head		
	Width Across Opening	Height Above Finished Floor	Front to Back of Opening	Width Across Opening	Height Above Finished Floor	Front to Back of Opening
150	16 $\frac{3}{4}$	15 $\frac{3}{4}$	9 $\frac{3}{8}$	16 $\frac{3}{4}$	15 $\frac{3}{4}$	14 $\frac{7}{8}$
200	27	12 $\frac{3}{4}$	8 $\frac{1}{2}$	27	12 $\frac{3}{4}$	13 $\frac{1}{4}$
250	29 $\frac{3}{4}$	14 $\frac{1}{2}$	8 $\frac{1}{2}$	29 $\frac{3}{4}$	14 $\frac{1}{2}$	13 $\frac{1}{4}$
300	34	15 $\frac{3}{4}$	9 $\frac{3}{8}$	34	15 $\frac{3}{4}$	15
350	51 $\frac{1}{4}$	15 $\frac{3}{4}$	9 $\frac{3}{8}$	51 $\frac{1}{4}$	15 $\frac{3}{4}$	15



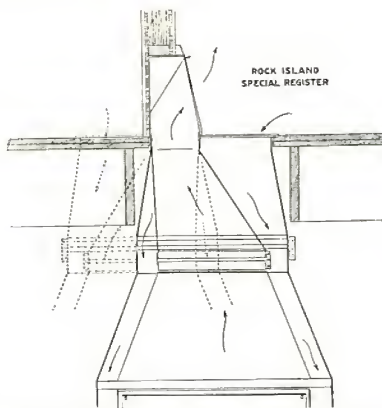
This illustration shows a Rock Island Double Head Register on a Pipeless Job. The Warm Air Boot is made to connect to the Warm Air Outlet on the Furnace, and the Return Boot to enclose the entire outfit outside of the Cold Air faces as shown at top Page 26.

This connection can be made either round or square to fit onto a standard Pipeless casing, or to your ordinary Furnace casing.

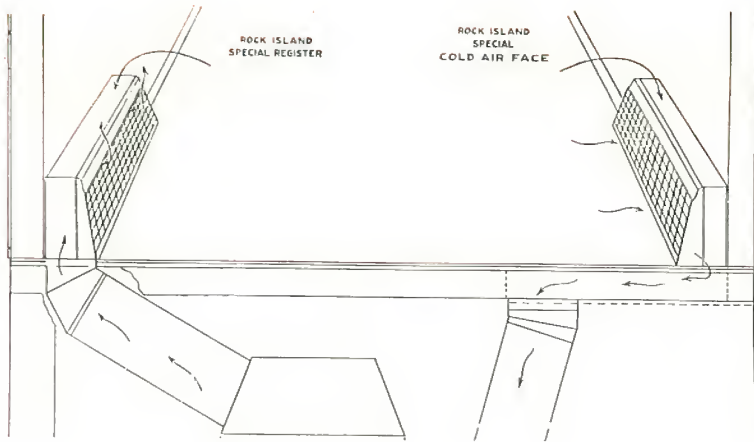
With this Installation you can secure full capacity for both the Warm Air and the Cold Air, and thereby increase the circulation and Efficiency of the furnace.



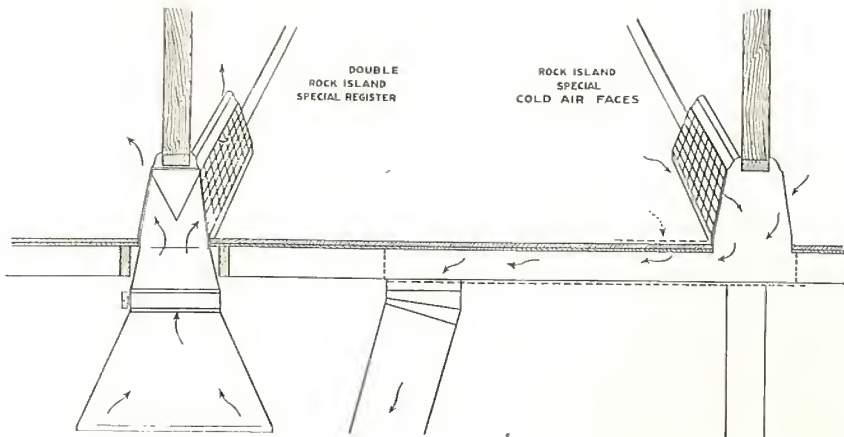
This illustrates a Double Head outfit using telescoping pipes for warm and cold air.



This Single Head outfit can be installed in the wall or same installation can be made with our Out-O-Wall register shown on p20-22



A Single register outfit using the Rock Island Special Register or the Out-O-Wall Register set against the wall when there is a sill or other obstruction in the way. This is a very good and economical installation that can be installed on either a One-pipe or complete piped Jobs.



This installation is similar to above using Double Head Rock Island Special Registers.



BURGESS CONVEX REGISTERS



Convex A



Convex B

These Registers are designed for Second Floor work, to be set against the Plaster above the baseboard, and fit all Standard Stack Heads.

They have large Convex border with a sharp rib on outer edge, so that the Register can be drawn up tight to the plaster, thus preventing any Dust from escaping and discoloring the Wall.

Two Screws are furnished for fastening.

List Prices

Style	Size	Black Japanned	White	Oxydized Copper Nickel or Brass
A	8 x 10	\$1.65	\$2.00	\$3.15
A	8 x 12	1.90	2.30	3.65
A	9 x 12	2.10	2.55	4.00
A	10 x 12	2.40	2.90	4.40
B	8 x 10	1.65	2.00	3.15
B	8 x 12	1.90	2.30	3.65
B	9 x 12	2.10	2.55	4.00
B	10 x 12	2.40	2.90	4.40



FLOOR REGISTERS, BORDERS AND FACES

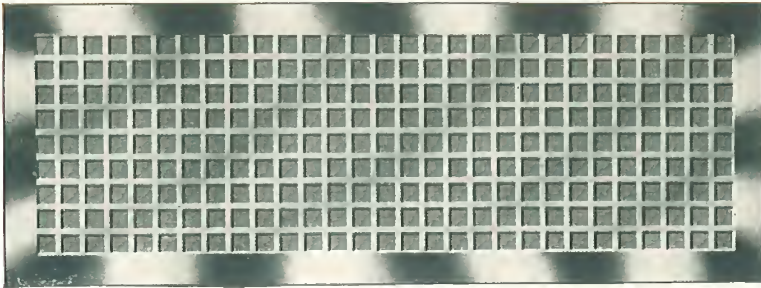


List Prices

Size of Opening	Black Japanned			White Japanned		Oxy. Copper			Electro-Plated—Brass and Nickel		
	Register	Register Face	Floor Border	Register	Register Face	Register	Face Register	Floor Border	Register	Register Face	Floor Border
6x 8	1.55	1.00	1.15	1.85	1.30	2.80	2.25	2.40	3.10	2.50	3.00
8x10	1.65	1.10	1.25	2.00	1.45	3.15	2.60	2.75	3.85	3.30	3.90
8x12	1.90	1.30	1.50	2.30	1.70	3.65	3.05	3.25	4.40	3.75	4.40
9x12	2.10	1.45	1.65	2.55	1.90	4.00	3.35	3.55	5.10	4.45	5.00
10x12	2.40	1.70	1.75	2.90	2.20	4.40	3.70	3.75	5.50	4.80	5.35
10x14	3.15	2.20	2.20	3.80	2.85	5.25	4.00	4.30	6.55	5.00	6.00
10x20	8.90	4.35	4.35	10.50	5.75	12.00	7.50	7.50	13.80	9.30	9.80
10x24	12.15	5.35	5.35	13.40	6.60	16.25	9.45	9.45	18.50	12.00	12.15
10x30	19.50	8.00	8.00	21.45	9.95	25.50	14.00	14.00	28.00	16.75	17.00
12x12	4.00	2.70	2.70	4.80	3.50	6.35	5.05	5.05	7.90	6.60	7.10
12x14	4.35	2.80	2.80	5.25	3.65	6.85	5.35	5.35	8.25	6.75	7.35
12x15	4.50	2.90	2.90	5.40	3.80	7.00	5.40	5.40	8.50	6.90	7.60
12x18	6.80	3.90	3.90	8.15	5.25	9.55	6.65	6.55	11.25	8.35	9.00
12x20	9.00	4.50	4.50	10.80	6.30	12.20	7.60	7.60	14.10	9.50	9.90
12x24	12.25	5.50	5.50	13.50	6.75	16.30	9.55	9.55	18.60	12.10	12.25
12x30	20.00	8.20	8.20	22.00	10.20	26.00	14.20	14.20	29.00	18.00	17.00
12x36	26.75	10.25	10.25	29.40	12.90	33.75	17.75	17.75	36.25	23.25	21.50
12x48	46.00	20.00	20.00	50.60	24.60	60.00	33.25	31.65	69.50	46.50	35.75
14x16	8.50	4.30	4.30	10.20	6.00	11.50	7.30	7.30	16.50	11.00	11.00
14x18	9.00	4.50	4.50	10.80	6.30	12.00	7.50	7.50	18.50	12.00	12.15
14x20	9.50	4.80	4.80	11.25	6.40	13.00	8.50	8.50	20.50	13.00	12.75
14x22	10.50	5.00	5.00	12.00	6.50	14.50	9.00	9.00	22.50	14.50	13.50
14x24	14.90	6.90	6.90	16.40	8.40	19.50	11.50	11.50	26.00	16.50	15.00
14x30	27.50	10.75	10.75	30.25	13.20	33.00	18.00	18.00	37.50	25.00	21.60
16x20	12.35	6.10	6.10	13.60	7.35	16.55	10.30	10.30	24.60	16.00	14.00
16x24	15.00	7.00	7.00	16.50	8.50	20.00	12.00	12.00	29.60	19.25	17.10
16x30	27.90	11.00	11.00	30.70	13.80	35.00	18.25	18.25	37.50	25.00	21.60
16x32	31.00	13.10	13.10	34.10	16.20	38.25	20.35	20.35	42.00	27.50	22.00
18x21	20.50	7.75	7.75	22.55	9.80	26.00	13.25	13.25	30.00	19.00	18.00
18x24	21.50	8.35	8.35	23.65	10.50	27.75	14.00	14.60	34.25	22.50	18.75
20x20	19.75	8.00	8.00	21.75	10.00	24.75	13.00	13.00	32.40	21.80	18.10
20x24	22.00	8.60	8.60	24.20	10.80	28.20	14.80	14.80	39.00	25.50	21.70
20x26	22.50	9.50	9.50	25.85	11.85	32.00	17.50	17.50	42.00	27.50	22.00
21x29	29.00	11.60	11.60	31.90	14.50	40.50	22.20	22.20	52.00	34.00	27.50
22x24	29.50	11.80	11.80	32.45	14.75	37.90	20.20	20.20	44.00	29.00	23.00
24x24	30.00	12.00	12.00	33.00	15.00	40.00	22.00	22.00	49.00	32.50	26.00
24x27	33.95	14.00	14.00	37.35	17.40	45.00	25.00	25.00	56.00	37.00	29.00
24x30	38.00	17.25	17.25	41.80	21.05	50.00	29.25	28.25	62.00	41.50	32.00
27x27	37.25	17.00	17.00	40.95	20.70	49.25	29.00	28.00	60.00	44.50	34.00
30x30	49.00	21.50	21.50	53.90	26.40	65.00	37.00	34.00	85.00	56.00	41.00
30x36	67.50	28.50	28.50	74.25	35.25	90.00	51.00	41.00	102.00	70.00	48.00
36x36	80.00	35.00	29.50	88.00	43.00	105.00	60.00	54.50	127.00	83.00	66.00
38x42	120.00	50.00	36.00	132.00	62.00	155.00	85.00	71.00	160.00	100.00	83.50



STEEL GRILLES



List Price Per Running Foot in Different Widths

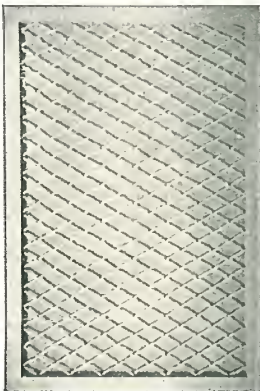
Width of Opening in Inches	4 $\frac{3}{4}$	5 $\frac{3}{4}$	6 $\frac{1}{4}$	7	8	9	10	11	12
Width of Face (extreme) in Inches	6	7	8	9	10	11	12	13	14
Black Japanned	\$ 1.40	\$ 1.50	\$ 1.60	\$ 1.70	\$ 1.80	\$ 1.90	\$ 2.00	\$ 2.25	\$ 2.50
White Japanned	1.75	1.90	2.00	2.15	2.25	2.40	2.50	2.80	3.15
Nickel, Brass, Ox Copper	2.40	2.50	2.60	2.80	3.00	3.25	3.50	4.00	4.50

ROUND REGISTERS, BORDERS AND FACES

List Prices

Size of Opening	BLACK JAPANNED			WHITE JAPANNED			ELECTRO-PLATED		
	Register	Face	Border	Register	Face	Border	Register	Face	Border
20-in.	\$19.75	\$8.00	\$8.00	\$ 21.75	\$10.00	\$10.00	\$32.40	\$21.20	\$18.10
24-in.	30.00	12.00	12.00	33.00	15.00	15.00	49.00	32.50	26.00
28-in.	44.00	19.00	19.00	48.40	23.40	23.40	72.00	49.00	36.40
30-in.	49.00	21.50	21.50	53.90	26.40	26.40	85.00	56.00	41.00
36-in.	80.00	35.00	29.50	88.00	43.00	43.00	127.00	83.00	66.00

WIRE GRILLES FOR SCHOOLS AND PUBLIC BUILDINGS



Made with Either Channel or Angle Iron Frames.

Any kind of Mesh desired.

Net Price in Black Finish

2 Square Feet and less, each	\$2.00
3 " "	2.50
4 " "	3.25
5 " "	4.00
6 " "	4.50
Over 6 " "	75 cents per square foot

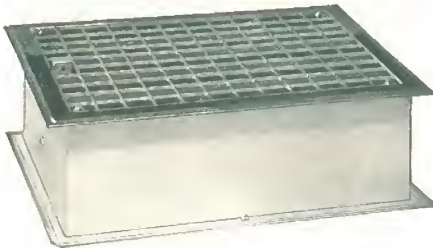
Electro-Plated finishes, per square foot 1.25

These prices are with Channel Iron Frames.

Add one-fourth for Angle Iron Frames.

ADJUSTABLE CEILING AND SIDE WALL VENTILATORS ALL STEEL

Adjustable Ceiling Ventilator with Telescoping Boxes



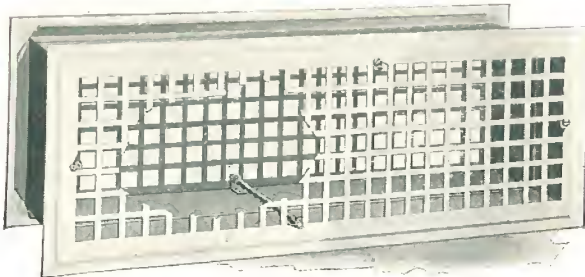
The Black Japan Floor Register and White ceiling face are wrought steel assuring lighter weight and freedom from breakage.

All boxes telescope to four inches and adjust to eleven inches.

Installed easily by one man from floor above.

No.	Size of Sheet Metal Box	List Price Each
640	8x10	\$ 4.40
641	8x12	4.80
642	9x12	5.40
643	10x12	6.40
644	10x14	7.60
645	12x14	10.00
646	12x15	10.40

Adjustable Side Wall Ventilator

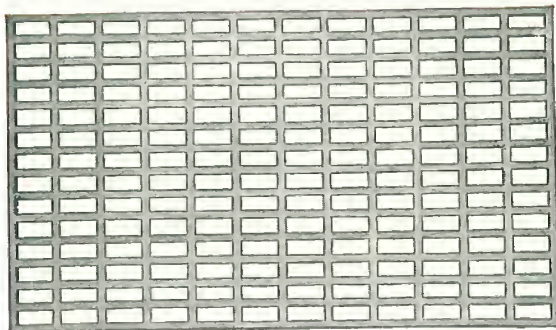


For use to secure circulation of air between rooms on the same floor. Particularly desirable for use in Pipeless Furnace installations, the successful operation of this type of furnace often being dependent upon the use of these Ventilators.

No.	Size of Sheet Metal Box	Extreme Dimensions of Register Faces	List Price ,Each
824	8x24"	10x26"	\$7.60
830	8x30"	10x32"	8.50
1024	10x24"	12x32"	8.30
1030	10x30"	12x32"	9.50



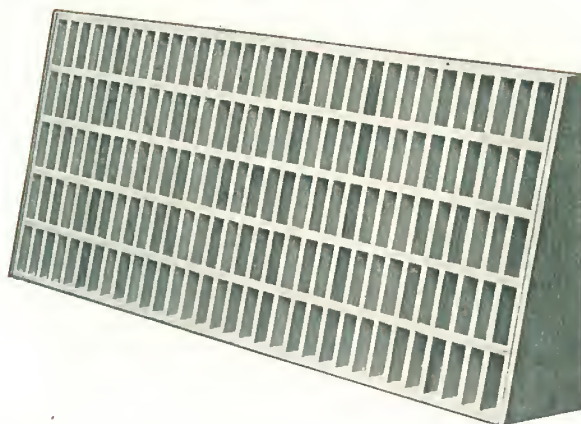
FLOOR WOOD FACES



An economical and satisfactory face that can be trimmed to suit the floor opening. Made from Oak unless otherwise specified, and have full capacity and strength for ordinary use

Round Pipe Size	Face Size	Free Air Opening	List Price
12 in.	12 x 20	135	\$1.66
12 in.	14 x 16	133	1.55
14 in.	12 x 24	161	2.00
14 in.	14 x 18	151	1.75
14 in.	14 x 20	157	1.94
14 in.	16 x 20	179	2.22
16 in.	12 x 30	202	2.50
16 in.	14 x 24	188	2.33
16 in.	14 x 26	203	2.52
16 in.	14 x 30	220	2.92
16 in.	16 x 24	215	2.67
18 in.	16 x 30	269	3.34
18 in.	18 x 24	242	3.00
18 in.	20 x 24	269	3.33
18 in.	20 x 26	291	3.61
20 in.	14 x 40	314	3.89
20 in.	18 x 30	303	3.75
20 in.	20 x 30	336	4.15
20 in.	24 x 24	323	4.00
22 in.	20 x 36	403	5.00
22 in.	24 x 30	403	5.00
22 in.	28 x 28	439	5.42
24 in.	22 x 36	440	5.50
24 in.	22 x 40	484	6.00
24 in.	24 x 36	484	6.00
26 in.	30 x 30	504	6.25
28 in.	30 x 36	605	7.50
30 in.	36 x 36	725	9.00

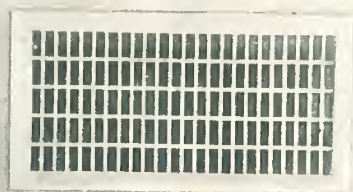
SIDE WALL WOOD FACES



A very satisfactory Side Wall return. The end pieces are drilled for nailing or screws so that the face is removable for cleaning.

Size	Base	Pipe Area	List Price
9 x 16	3 in.	10 in.	\$1.50
12 x 16	4 1/2 in.	12 in.	2.00
14 x 16	5 1/2 in.	14 in.	2.50
9 x 32	3 in.	14 in.	3.50
12 x 32	4 1/2 in.	16 in.	4.50
14 x 32	5 1/2 in.	18 in.	5.50
16 x 32	6 1/2 in.	20 in.	7.00

WOOD GRILLES FOR PARTITIONS



Partition Grilles with a Setting Border for use in doors or in partitions for circulating air. Particularly advantageous with Pipless Furnaces.

Size	List Price
11 5/8 x 24	\$3.00
11 5/8 x 29	3.75
13 3/4 x 24	3.25
13 3/4 x 29	4.50

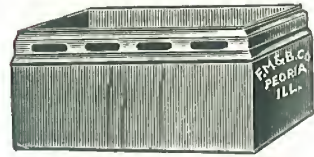
HANDY PIPE AND FITTINGS



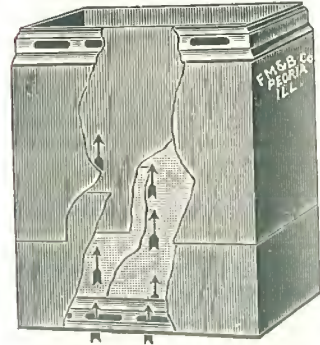
58-inch length
of Handy pipe



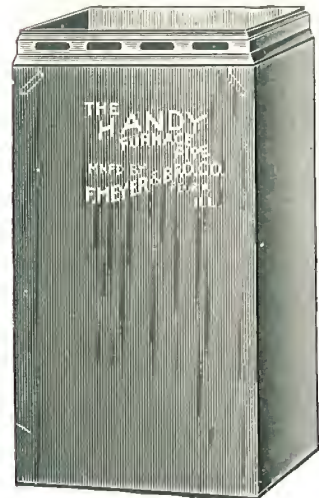
No. 15 Reducer



2-inch length of Handy pipe.



The Handy Adjustable Joint.



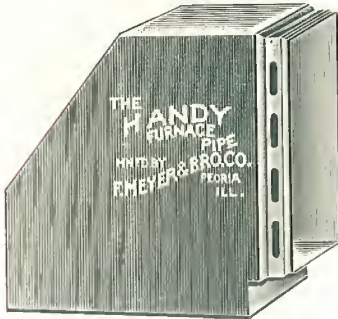
20-inch length of Handy pipe.
Also made in the following lengths: 12-inch,
10-inch, 8-inch, 6½-inch, 5-inch,
4-inch and 2-inch.



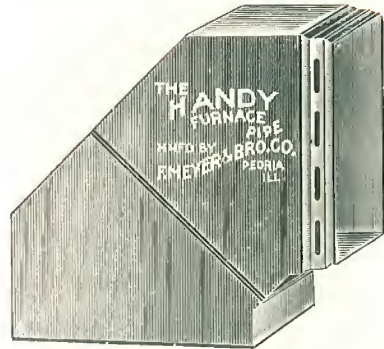
LIST PRICES OF HANDY DOUBLE PIPE

No.	5	7	6	8	9	11	12
Size of Pipe	$2\frac{5}{8} \times 10$ $3\frac{1}{4} \times 10\frac{5}{8}$	3×10 $3\frac{5}{8} \times 10\frac{5}{8}$	$2\frac{5}{8} \times 12$ $3\frac{1}{4} \times 12\frac{5}{8}$	3×12 $3\frac{5}{8} \times 12\frac{5}{8}$	3×13 $3\frac{5}{8} \times 13\frac{5}{8}$	$4\frac{3}{8} \times 13$ $5 \times 13\frac{5}{8}$	$4\frac{3}{8} \times 14$ $5 \times 14\frac{5}{8}$
Adj. Pieces	\$1.26	\$1.26	\$1.40	\$1.40	\$1.62	\$2.50	\$2.60
No. 15 Reducing Pieces		7 to 5 1.26	6 to 7 1.40	8 to 7 1.40	9 to 8 9 to 7 1.62	11 to 9 2.50	12 to 11 2.60
2-Inch Piece	.38	.38	.54	.54	.60	.88	.90
4-Inch Piece	.46	.46	.60	.60	.76	.94	.98
5-Inch Piece	.54	.54	.68	.68	.84	1.02	1.06
6 $\frac{1}{2}$ -inch Piece	.60	.60	.76	.76	.90	1.10	1.14
8-Inch Piece	.68	.68	.84	.84	.98	1.18	1.20
10-Inch Piece	.76	.76	.90	.90	1.06	1.30	1.32
12-Inch Piece	.84	.84	.98	.98	1.28	1.40	1.44
20-Inch Piece	1.28	1.28	1.50	1.50	1.88	2.26	2.50
51-Inch Piece	3.30	3.30	3.84	3.84	4.44	5.76	6.38
58-Inch Piece	3.60	3.60	4.36	4.36	4.80	6.56	7.26

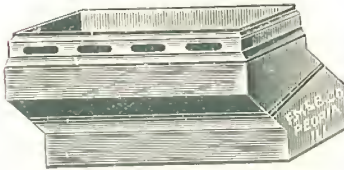
LIST PRICE OF HANDY DOUBLE ELBOWS



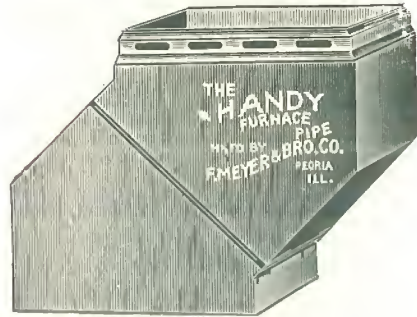
No. 90 Elbow



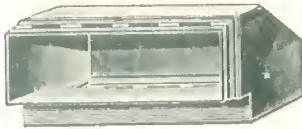
No. 9 Square Elbow



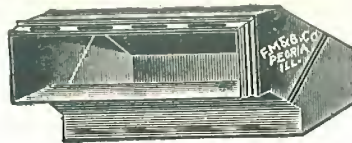
No. 6 Offset



No. 9 Offset



No. 16 Square Elbow



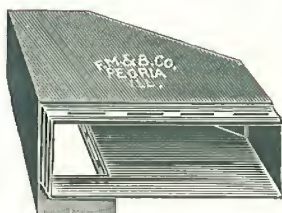
No. 6 Elbow

No.	5	7	6	8	9	11	12
Size of Pipe	$2\frac{3}{4} \times 10$ $3\frac{1}{4} \times 10\frac{3}{8}$	3×10 $3\frac{3}{4} \times 10\frac{3}{8}$	$2\frac{3}{4} \times 12$ $3\frac{1}{4} \times 12\frac{3}{8}$	3×12 $3\frac{3}{4} \times 12\frac{3}{8}$	3×13 $3\frac{3}{4} \times 13\frac{3}{8}$	$3\frac{3}{4} \times 13$ $5 \times 13\frac{3}{8}$	$4\frac{3}{4} \times 14$ $5 \times 14\frac{3}{8}$
Nos. 9 and 90 Ells	\$1.68	1.68	\$1.76	\$1.76	\$1.90	\$2.50	\$2.60
No. 9 Offset	1.68	1.68	1.76	1.76	1.90	2.50	2.60
Nos. 6-16 Ells and No. 6 Offset	1.26	1.26	1.40	1.40	1.62	2.50	2.60

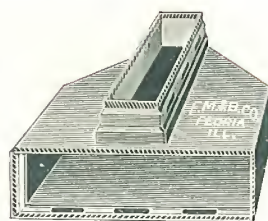
LIST PRICE OF HANDY DOUBLE ELBOWS



No. 21 Reverse Elbow



No. 22 Reverse Elbow



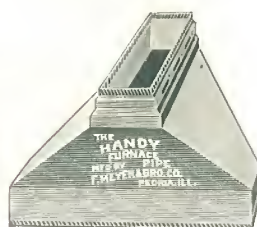
No. 25 Reverse Elbow
No. 26 the same with
Joints Opposite



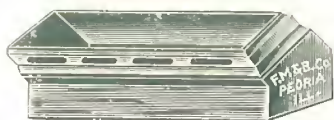
No. 23 Reverse Elbow



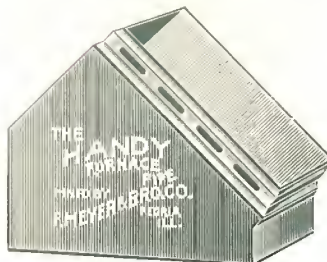
No. 24 Reverse Elbow



No. 27 Rerve Piece



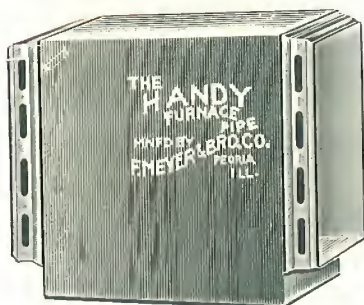
No. 6 Angle



No. 9 Angle

No.	5	7	6	8	9	11	12
Size of Pipe	$2\frac{3}{4} \times 10$ $3\frac{1}{4} \times 10\frac{5}{8}$	3×10 $3\frac{3}{8} \times 10\frac{5}{8}$	$3\frac{1}{4} \times 12\frac{3}{8}$ $3\frac{1}{4} \times 12\frac{3}{8}$	3×12 $3\frac{5}{8} \times 12\frac{3}{8}$	4×15 $3\frac{3}{8} \times 13\frac{5}{8}$	$4\frac{3}{4} \times 13$ $5 \times 13\frac{5}{8}$	$4 \times 14\frac{3}{8}$ $5 \times 14\frac{5}{8}$
Nos. 21, 22, 23, 24, 25, 26 Ells 27 Piece	\$2.10	\$2.10	\$2.10	\$2.10	\$2.80	\$3.34	\$3.50
No. 9 Angle	.84	.84	.90	.90	.98	1.54	1.68
No. 6 Angle	.64	.64	.70	.70	.84	1.40	1.48

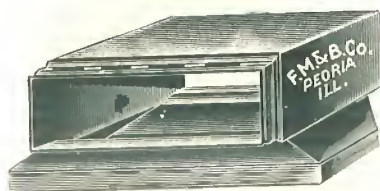
LIST PRICE OF HANDY DOUBLE TEES



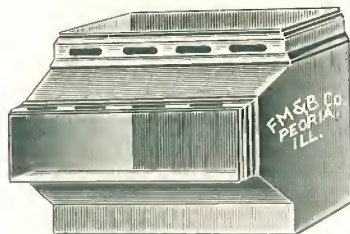
No. 5 Side Tee



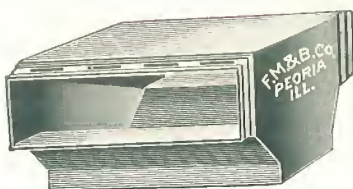
No. 50 Side Tee



No. 14 Reducing Tee



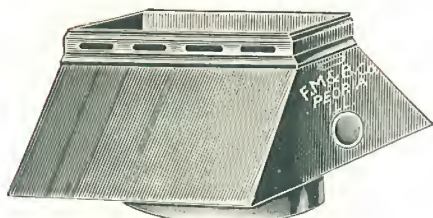
No. 40 Tee



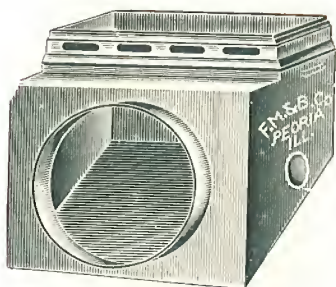
No. 4 Tee

No.	5	7	6	8	9	11	12
Size of pipe	$2\frac{3}{8} \times 10$ $3\frac{1}{4} \times 10\frac{3}{8}$	3×10 $3\frac{3}{8} \times 10\frac{3}{8}$	$2\frac{3}{8} \times 12$ $3\frac{1}{4} \times 12\frac{3}{8}$	3×12 $3\frac{3}{8} \times 12\frac{3}{8}$	3×13 $3\frac{3}{8} \times 13\frac{3}{8}$	$4\frac{3}{8} \times 13$ $5 \times 13\frac{3}{8}$	$4\frac{3}{8} \times 14$ $5 \times 14\frac{3}{8}$
Nos. 4 and 40 Tees	\$1.26	\$1.26	\$1.40	\$1.40	\$1.62	\$2.40	\$2.60
Nos. 5 and 50 Tees	1.68	1.68	1.76	1.76	1.90	2.50	2.60
No. 14 Reducing Tee	2.10	2.10	2.10	2.10	2.80	3.34	3.50

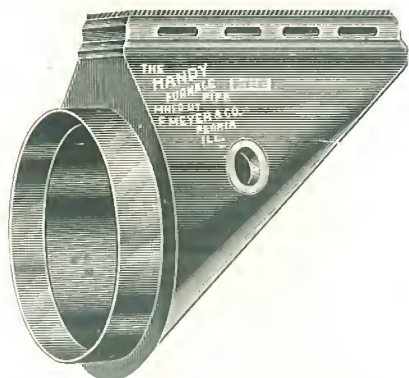
LIST PRICE OF HANDY DOUBLE BOOTS



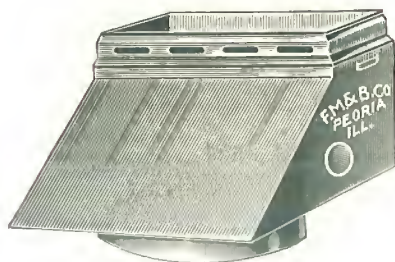
No. 20 Boot



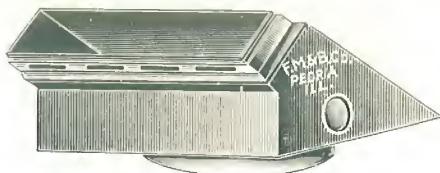
No. 11 Boot



No. 18 Boot



No. 10 Boot



No. 12 Boot

No.	5	7	6	8	9	11	12
Size of Pipe	2 $\frac{5}{8}$ x10 3 $\frac{1}{4}$ x10 $\frac{5}{8}$	3x10 3 $\frac{3}{8}$ x10 $\frac{5}{8}$	2 $\frac{5}{8}$ x12 3 $\frac{1}{4}$ x12 $\frac{5}{8}$	3x12 3 $\frac{3}{8}$ x12 $\frac{5}{8}$	3x13 3 $\frac{3}{8}$ x13 $\frac{5}{8}$	4 $\frac{3}{8}$ x13 5 13 $\frac{5}{8}$	4 $\frac{3}{8}$ x13 5x14 $\frac{5}{8}$
Size of Collars	8-in. 9-in.	8-in. 9-in.	8-in. 9-in.	8-in. 9-in. 10-in.	9-in. 10-in.	10-in. 12-in.	10-in. 12-in.
Nos. 10, 11, 12, 20 Boots	\$1.68	\$1.68	\$1.76	\$1.76	\$1.90	\$2.50	\$2.60
No. 18 Boots	2.04	2.04	2.10	2.10	2.24	2.84	2.94

HANDY DOUBLE HEADS



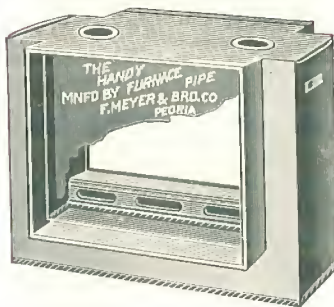
FO. 2 Stack Head, Vertical



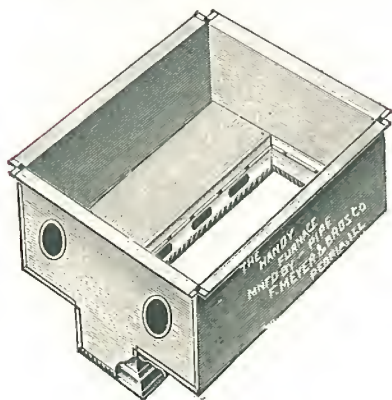
No. 3 Stack Head, Vertical



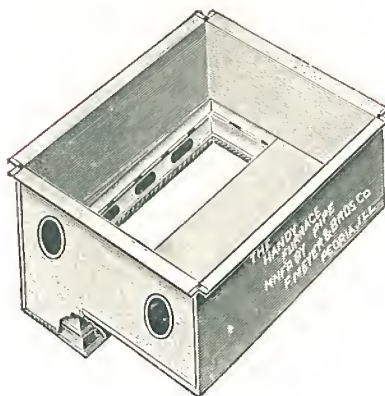
No. 2 Stack Head, Horizontal



No. 3 Stack Head, Horizontal



No. 1 Stack Head



No. 1½ Stack Head



LIST PRICES OF HANDY DOUBLE HEADS

No.	5	7	6	8	9	11	12
Size of Pipe	3 $\frac{3}{4}$ x10 3 $\frac{3}{4}$ x10 $\frac{3}{8}$	3x10 3 $\frac{5}{8}$ x10 $\frac{3}{8}$	2 $\frac{5}{8}$ x12 3 $\frac{1}{4}$ x12 $\frac{3}{8}$	3x12 3 $\frac{5}{8}$ x12 $\frac{3}{8}$	3x13 3 $\frac{5}{8}$ x13 $\frac{3}{8}$	4 $\frac{3}{8}$ x13 5x13 $\frac{3}{8}$	4 $\frac{3}{8}$ x14 5x14 $\frac{3}{8}$
Size of Register	8x10 8x12	8x10 8x12 9x12	8x12 9x12	8x12 9x12 10x12	9x12 10x12	9x12 10x12	10x14 12x15
Nos. 1 and 1 $\frac{1}{2}$ Heads	\$1.76	\$1.76	\$1.76	\$1.76	\$2.46	\$3.00	\$3.16
No. 2 Heads	1.68	1.68	1.76	1.76	1.90	2.50	2.60
Nos. 3 and 13 Heads	2.04	2.04	2.10	2.10	2.24	2.84	2.94

THE HANDY FURNACE PIPE is sent in any quantity desired, but for convenience we pack it in 4, 6 and 8-stack cases. When a case of certain size Pipe is ordered, we will ship same with fittings, as designated below, using 8-inch collars in boots with 8x12 register heads for Nos. 5 and 7 pipe; 9-inch collars in boots with 10x12 register heads for Nos. 6 and 8 pipe; 10-inch collars in boots with 10x12 register heads for No. 9 pipe; 12-inch collars with 12x15 register heads for Nos. 11 and 12 pipe.

We specify the No. 12 boot, as this can be used to best advantage, but can change the above fittings to any other style, if otherwise desired. For a 6-stack case, add one-half, and for the 8-stack case, double the following:

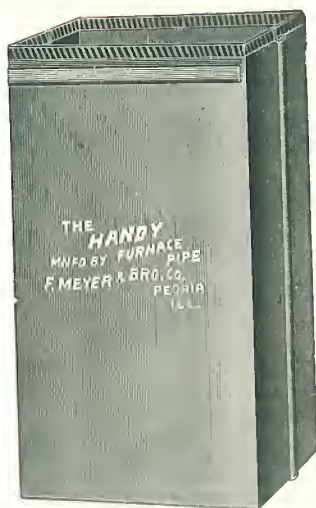
FOUR-STACK CASE

Contains Enough Pipe and Fittings for Four Ordinary Stacks

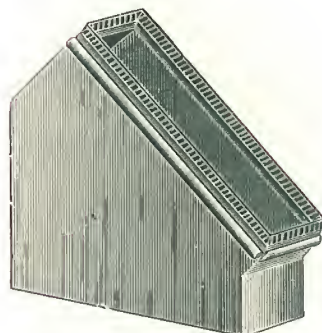
	No. 5-7	No. 6-8	No. 9	No. 11	No. 12
Four 58-inch pieces.....	\$14.40	\$ 17.44	\$ 19.20	\$ 26.24	\$ 29.04
Four 51-inch pieces.....	13.20	15.36	17.76	23.04	25.52
Four 10-inch pieces.....	3.04	3.60	4.24	5.20	5.28
Four 5-inch pieces.....	2.16	2.72	3.36	4.08	4.24
Four 4-inch pieces.....	1.84	2.40	3.04	3.76	3.92
Four 2-inch pieces.....	1.52	2.16	2.40	3.52	3.60
Four No. 2 Heads.....	6.72	7.04	7.60	10.00	10.40
Four No. 12 Boots.....	6.72	7.04	7.60	10.00	10.40
Eight No. 6 Angles.....	5.12	5.60	6.72	11.20	11.84
Total.....	54.72	63.36	71.92	97.04	104.24



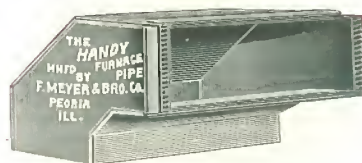
SINGLE WALL PIPE AND FITTINGS



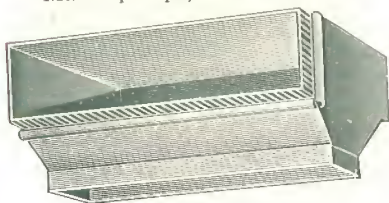
Section of Nested Pipe, 24 Inches Long
Made-up Pipe, 58 Inches Long.



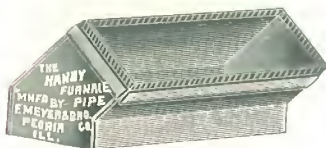
No. 9 Angle



No. 16 Elbow



No. 4 Tee



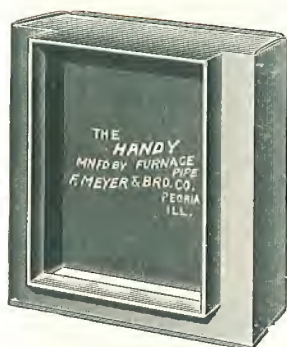
No. 6 Angle

List Prices

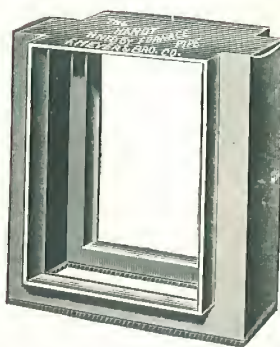
Size of Pipe	Not Nested Price Per Foot in 5-Foot Sections	Nested Price Per Foot in 2-Foot Sections	Size of Register	Angle Cut 6	Angle Cut 9	Tees Cuts 4, 5 and 14	Elbows Cuts 16 and 90
3x10	\$.038	\$.036	8x10 Single	\$.040	\$.050	\$.070	\$.070
			8x12 Single				
3½x10	.40	.38	8x10 Double	.40	.50	.70	.70
			8x12 Double				
3x12	.42	.40	8x12 Single	.44	.54	.80	.80
			9x12 Single				
3½x12	.44	.42	8x12 Double	.44	.54	80	.80
			9x12 Double				



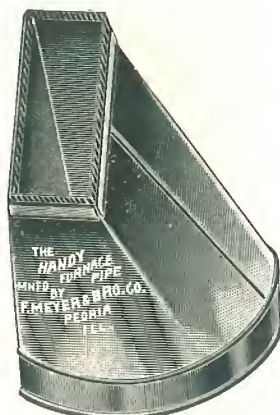
SINGLE WALL PIPE AND FITTINGS



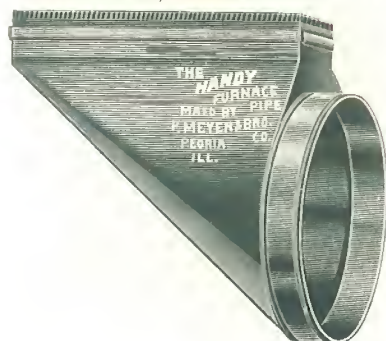
No. 2 Head, Vertical



No. 3 Head, Vertical



No. 5 Boot



No. 17 Boot



No. 7 Boot

List Prices

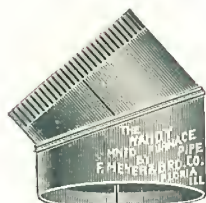
Size of Pipe	Size of Register	Register Heads Cut 2	Register Heads Cuts 3 and 13 Boot, Cut 17	Boots, Cuts 5, 13, 7	Size of Collars in Boots
3 x10	8x10 Single 8x12 Single	\$0.70	\$0.80	\$0.70	8-in.
3½x10	8x10 Double 8x12 Double	.70	.80	.70	9-in.
3 x12	8x12 Single 9x12 Single	.80	.90	.80	8-in. 9-in.
3½x12	8x12 Double 9x12 Double	.80	.90	.80	9-in. 10-in.



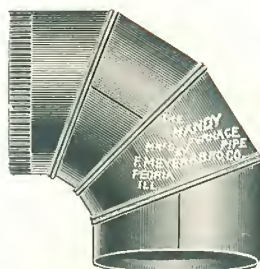
ROUND TIN PIPE AND FITTINGS



2-Foot Joint Nested
Self-Locking Pipe



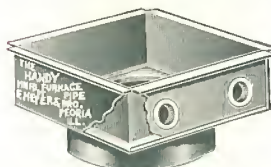
2-Piece Adjustable
Elbow



4-Piece Adjustable Elbow



Single No. 50 Register Box



Double or Single No. 40
Register Box

ROUND TIN PIPE

List Prices

	7 Inch	8 Inch	9 Inch	10 Inch	12 Inch	14 Inch	16 Inch	18 Inch	20 Inch
Nested I. C. Tin, per ft.	\$.31	\$.33	\$.35	\$.39	\$.45	---	---	---	---
Nested I. X. Tin, per ft.	.37	.39	.41	.45	.53	.70	\$.80	\$1.00	\$1.20
Adjustable Elbows and Angles									
I. C. Tin, 2-piece, 30°	.23	.25	.27	.31	---	---	---	---	---
I. C. Tin, 4-piece, 60°	.36	.40	.44	.52	---	---	---	---	---
I. C. Tin, 4-piece, 90°	.42	.46	.50	.60	---	---	---	---	---
I. X. Tin, 2-piece, 30°	.31	.23	.35	.39	.50	1.00	---	---	---
I. X. Tin, 3-piece, 60°	.46	.70	.54	.64	.84	1.20	1.00	2.00	2.50
I. X. Tin, 4-piece, 90°	.52	.58	.64	.76	1.00	1.50	2.00	2.50	3.10

REGISTER BOXES (TIN AND GALVANIZED)

List Prices

Size	6x8	8x10	8x12	9x12	10x12	10x14	12x14	12x15	14x16	14x18	14x20	16x20	16x24
I. C. Tin	\$.60	\$.60	\$.64	\$.64	\$.72	\$.80	\$.96	\$.96	---	---	---	---	---
I. X. Tin	.76	.76	.80	.80	.90	1.00	1.20	1.20	\$ 1.60	\$ 1.80	\$ 2.00	\$ 2.50	\$ 3.00
Galv. Tin	---	---	---	---	1.30	1.40	1.50	1.50	1.80	2.00	2.20	2.60	3.00
Size	18x21	18x24	20x24	20x26	21x29	24x24	24x30	27x27	27x38	30x30	30x36	36x36	38x42
I. X. Tin	3.40	3.60	4.00	---	---	---	---	---	---	---	---	---	---
Galv. Iron	3.40	3.60	4.00	4.50	5.00	6.00	6.50	6.50	8.00	7.00	8.00	10.00	12.00

For Double Register Boxes, add 50 per cent to above prices.

COLD AIR SHOES



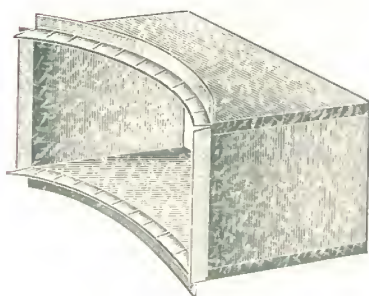
No. 108
With Adjustable Collar



No. 106



No. 100



No. 104

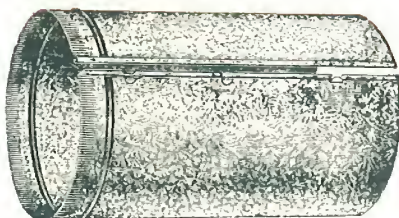
List Price

Size of Collar	Size of Shoe	No. 100	No. 104	No. 106	No. 108
14-in.	11x18	\$3.50	\$2.40	\$4.40	\$4.00
16-in.	11x22	4.00	2.80	4.80	4.60
18-in.	12x24	4.50	3.30	5.60	5.20
20-in.	14x26	5.25	3.60	6.40	5.90
22-in.	15x28	6.00	4.20	6.50	7.20
24-in.	17x30	7.00	5.00	7.00	8.40
26-in.	18x34	8.00	6.00	8.00	9.60
28-in.	18x36	9.00	6.50	9.00	10.90
30-in.	18x42	10.00	7.00	10.00	12.10
32-in.	18x48	11.00	9.00	11.00	13.20
34-in.	18x52	12.00	10.50	12.00	14.50
36-in.	18x60	14.00	13.00	14.00	16.80

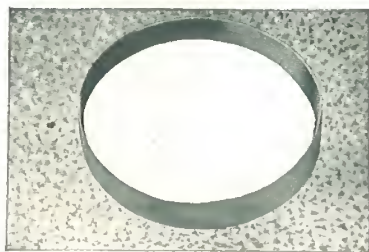
When ordering, give cut number, diameter of casing and size of collar wanted.



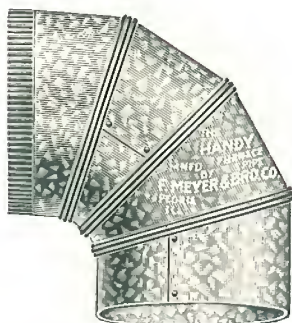
GALVANIZED AND BLACK



Cold Air Pipe



Ceiling Plate



Adjustable Cold Air Elbows



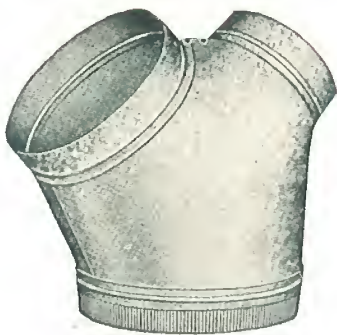
Hot Air Damper

List Prices of Round Galvanized

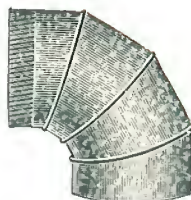
	7 inch	8 inch	9 inch	10 inch
No. 26 Galvanized Iron Pipe, per foot	\$0.40	\$0.42	\$0.44	\$0.48
Galvanized Iron Angle, 2-piece, 30°	.44	.48	.56	.64
Galvanized Iron Angle, 3-piece, 60°	.50	.60	.70	.90
Galvanized Iron Elbow, 4-piece, 90°	.60	.70	.80	1.00
Draw Bands	.40	.40	.50	.50
Galvanized Iron Ceiling Plates with Collar				
Y Joint, Galvanized Iron	.90	1.05	1.20	1.50
T Joint, Galvanized Iron	.90	1.05	1.20	1.50
No. 24 Galvanized Smoke Pipe, per foot	.50	.54	.58	.64
Galvanized Smoke Angle, 2-piece, 30°	.44	.54	.62	.84
Galvanized Smoke Angle, 3-piece, 60°	.64	.70	.90	1.00
Galvanized Smoke Elbow, 4-piece, 90°	.80	.90	1.10	1.30
T Joint, No 24 Gauge Galvanized or Black Iron	1.20	1.35	1.65	1.95
No. 24 Black Iron Pipe per foot	.40	.42	.44	.48
Black Iron Angle 2-piece, 30°	.44	.48	.56	.64
Black Iron Angle, 3-piece, 60°	.50	.60	.70	.90
Black Iron Elbow, 4-piece, 90°	.60	.70	.80	1.00
Casing Collars, for Top Hood	.20	.24	.28	.30
Casing Collars for Side Hood	.40	.40	.46	.50
Collars for Brick-set Furnaces	.60	.60	.80	.80
Hot Air Dampers, complete	.28	.32	.36	.40



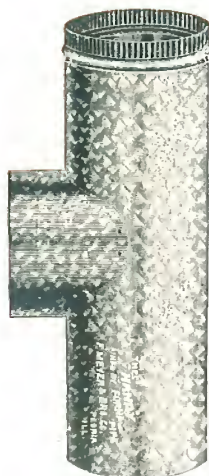
ROUND PIPE AND FITTINGS



Y Joint



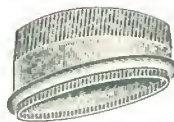
Adjustable Smoke
Elbow
No. 24-Gauge Gal-
vanized and Black
Carried in Stock



T Joint
No. 24 Gauge, Galva-
nized and Black Carried
in Stock.



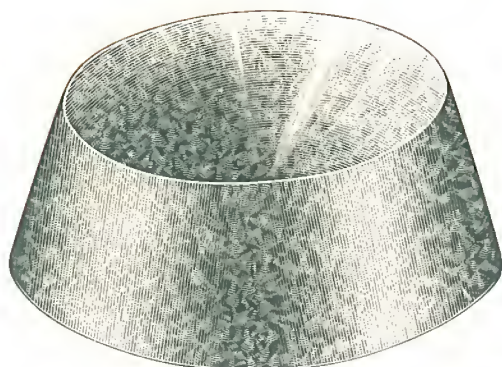
Casing Collar for
Top of Bonnet




Casing Collars for
Side of Bonnet

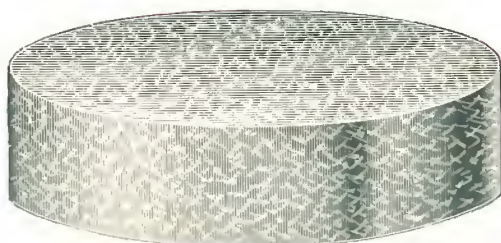
and Black Pipe and Fittings

12 Inch	14 Inch	16 inch	18 Inch	20 Inch	22 Inch	24 inch	26 Inch	28 Inch	30 Inch	32 Inch	34 Inch	36 Inch
\$0.64	\$0.70	\$0.80	\$1.00	\$1.20	\$1.50	\$1.80	\$2.10	\$2.40	\$2.70	\$3.00	\$3.30	\$3.60
.80	.90	1.00	1.50	1.80	2.00	2.30	2.60	3.00	3.50	4.50	5.00	5.50
1.20	1.40	1.60	2.20	2.90	3.20	3.70	4.20	4.90	5.60	6.70	7.50	8.30
1.40	1.80	2.40	3.00	3.60	4.40	5.20	6.00	7.00	8.00	9.00	10.00	11.00
.60	.60	.60	.80	.80	1.00	1.00	1.20	1.20	1.40			
1.50	1.66	1.80	1.96	2.26	2.56	2.86	3.16	3.46	3.76	4.06	4.36	4.66
2.10	2.70	3.60	4.50	5.40	6.60	7.80	9.00	10.50	12.00	13.50	15.00	16.50
2.10	2.70											
.84	.88	.96	1.20	1.44								
.96	1.08	1.20	1.80	2.16								
1.44	1.68	1.92	2.64	3.48								
1.70	2.16	2.88	3.60	4.30								
2.55	3.24											
.64	.70	.80	1.00	1.20								
.80	.90	1.00	1.50	1.80								
1.20	1.40	1.60	2.20	2.90								
1.40	1.80	2.40	3.00	3.60								
.36	.46	.60	.76	.90	1.20	1.40	1.60	1.80	2.00	2.50	2.80	3.20
.60	.74	1.00	1.26	1.80	2.00	2.20	2.40	3.00	3.40	4.00	4.50	5.00
.90	1.00	1.10										
.60	.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.80	3.20	3.60



No. 110—Straight Bonnet 
with Flat Top

No. 112—Straight Bonnet
with Concave Top



CASING BONNETS

No. 11C—Flaring Bonnet
with Concave Top

No. 114 Flaring Bonnet
with Flat Top

List Prices

Diameter of Bonnet :	No. 110	No. 112	No. 114	No. 116
36-in.	\$8.30	\$8.30	\$9.40	\$9.40
40-in.	10.50	10.50	12.10	12.10
44-in.	12.70	12.70	13.80	13.80
48-in.	14.30	14.30	14.90	14.90
52-in.	15.40	15.40	16.50	16.50
56-in.	1.50	16.50	18.20	18.20
60-in.	19.30	19.30	20.90	20.90
64-in.	22.00	22.00	23.10	23.10
68-in.	24.20	24.20	25.30	25.30

When ordering bonnets, give exact circumference of casing ring; also give height required.

Square Galvanized Iron Pipe and Elbows

List Prices

Cubic Inches Capacity of Square Pipe	Relative Size of Round Pipe	Per Foot Nested	Per Foot Made Up	Style A Horizontal Elbow	Style B Vertical Elbow
154 inches	14 inches	\$0.96	\$1.20	\$2.40	\$3.30
201 inches	16 inches	1.20	1.50	3.00	3.60
255 inches	18 inches	1.28	1.60	3.20	4.40
314 inches	20 inches	1.36	1.70	3.40	5.00
380 inches	22 inches	1.52	1.90	3.80	5.60
453 inches	24 inches	1.76	2.20	4.40	6.20
531 inches	26 inches	1.92	2.40	4.80	8.20
616 inches	28 inches	2.08	2.60	5.20	8.40
707 inches	30 inches	2.24	2.80	5.60	8.60

FURNACE SUPPLIES

See Discount Sheet for Late Prices

MINNEAPOLIS REGULATORS

List Prices

Model No.	Motor Equipment	Gravity	Spring	A. C.	D. C.	110 D. C.
40	Plain (no Clock)	\$37.00	\$45.00	\$70.00	\$60.00	\$70.00
47	One-Day	44.00	52.00	77.00	67.00	77.00
55	Eight-day Duplex	56.00	64.00	89.00	79.00	89.00
55B	Eight day Deluxe	80.00	88.00	113.00	103.00	113.00
65	Hot Water Boiler	36.00	44.00	69.00	59.00	69.00

A nationally advertised necessity that should be a part of every Heating Plant. The Coal saved and comfort received from their use will soon pay for the cost. Prevents overheating and the possibility of Fire.



Model 55



Furnace Regulator
Any Finish



Chain Plate
Any Finish



Indicator Handles
Any Finish



Furnace Pulleys
Encased Tackle



Ventilating Register Pulleys
Ceiling Pulleys Side Wall Pulleys

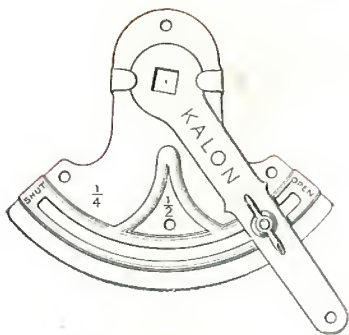


Furnace Chain
Sheradized, Brass or Nickel

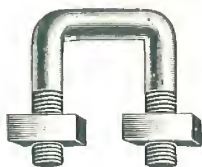
See Discount Sheet for Late Prices

FURNACE SUPPLIES

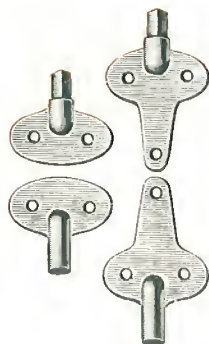
See Discount Sheet for Late Prices



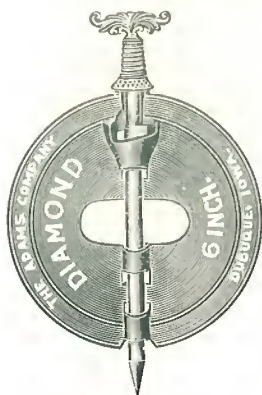
Damper Quadrants
Non-breakable. Easily installed. Always satisfactory. Made in four sizes:
 $\frac{3}{8}$ in. $\frac{1}{2}$ in. $\frac{5}{8}$ in. $\frac{3}{4}$ in.



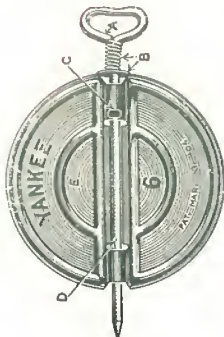
Damper Rod Clamps
The easiest and best method to fasten rod to damper.
four sizes: $\frac{3}{8}$ in. $\frac{1}{2}$ in. $\frac{5}{8}$ in. $\frac{3}{4}$ in.



Damper Bearings
Non-breakable. Quickly attached. Two sizes and styles. $\frac{3}{8}$ in., $\frac{1}{2}$ in.



Cast Iron Dampers
7, 8, 9, 10, 12-inch sizes



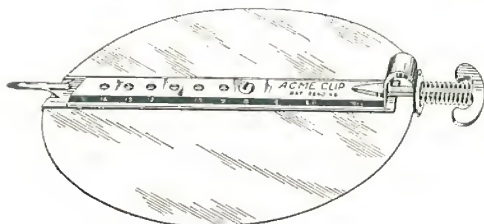
Yankee Hot-Air Dampers
8, 9, 10, 12, 14-inch sizes



Reversible Check Dampers
8, 9, 10, 12-inch sizes.



No Rivet Damper Clip

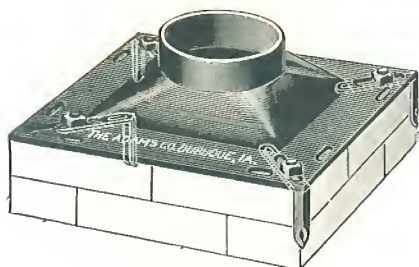


Acme Adjustable Clip
A Combined Clip and Tip with which you can make the best damper that you have ever used by fastening one bolt.

See Discount Sheet for Late Prices

FURNACE SUPPLIES

See Discount Sheet for Late Prices



Cast Chimney Caps
7 and 8-inch Collars

Best and cheapest method of extending chimney



Cast-Iron Flue Thimble
8, 9 and 10-inch sizes



Revolving Chimney Top Castings
7, 8 and 9-inch



Ash Pit Doors
8x8, 8x12, 10x12-inch sizes



No. 1

Tapped for $\frac{3}{4}$ " or 1" Pipe

Rock Island Cleanable Water Heaters

The best Heaters for Hot Water Tanks. They save on first cost and last longer.

List Price..... \$4.00



No. 2



No. 3-1 in. Triangular, Female
No. 4-1 $\frac{1}{4}$ in. Triangular, Female



No. 7-1 in. Triangular, Male
No. 8-1 $\frac{1}{4}$ in. Triangular, Male
Shakers

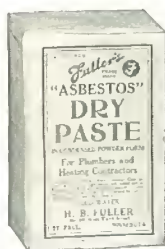
See Discount Sheet for Late Prices

FURNACE SUPPLIES

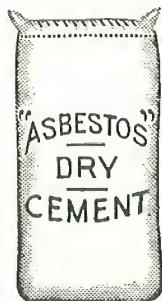
See Discount Sheet for Late Prices



Asbestos Paper
12 and 14-pound Paper
In 50-Pound Rolls



Dry Paste
100 and 200-Pound Barrels
10 and 40-Pound Bags
2½ Pound Cartons



Dry Asbestos
Cement
100 Pound Bags



Karbonite Soot
Remover
Destroys Soot
1, 2 and 5-Pound Cans



Asbestair

Accurate tests have proven that you can save two tons of coal per year on a seven or eight-room residence by applying three layers of Abestair to the piping and furnace casing.

The Saving is almost equal to first cost of the covering.

Get our Asbestair Booklet and explain this to your customers. Sold by the Roll containing 250 square feet.



Furnace Cement

5 or 10 Pound Cans
Cases of 12-5 Pound Cans or
Cases of 6-10 Pound Cans

Roofing Cement

5 or 10 Pound Cans
50 Pound cans
100 Pound Cans
200 Pound Bbls.

See Discount Sheet for Late Prices



FURNACE SUPPLIES

See Discount Sheet for Late Prices



Kalon Stop Punch

Kalon Sheet Metal Screws

Made in the following sizes

$\frac{3}{8}$ " No. 6 ($\frac{3}{8}$ " x $\frac{3}{32}$ ") Round or Flat Head
 $\frac{1}{2}$ " No. 7 ($\frac{1}{2}$ " x $\frac{1}{8}$ ") Round or Flat Head
 $\frac{3}{4}$ " No. 10 ($\frac{3}{4}$ " x $\frac{3}{16}$ ") Round or Flat Head
 $\frac{7}{8}$ " No. 14 ($\frac{7}{8}$ " x $\frac{1}{4}$ ") Round or Flat Head

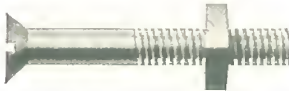
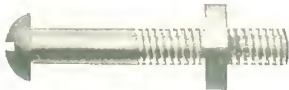
The Sheet Metal Screw is rapidly replacing Rivets, Bolts and Soldering on many kinds of work. A time and money-saver. Can be used on sheets up to and including 18 gauge.

No. 6 Stop Punch for $\frac{3}{8}$ " No. 6 Screw

No. 7 Stop Punch for $\frac{1}{2}$ " No. 7 Screw

No. 10 Stop Punch for $\frac{3}{4}$ " No. 10 Screw

No. 14 Stop Punch for $\frac{7}{8}$ " No. 14 Screw



Stove Bolts, Round or Flat Head, Per 100

$\frac{3}{16}$ in. Diameter $\frac{1}{4}$ in. Diameter

$\frac{1}{2}$ in. $\frac{3}{4}$ in. 1 in. $1\frac{1}{4}$ in. $1\frac{1}{2}$ in. $1\frac{3}{4}$ in. 2 in.

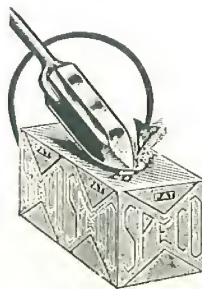


Tinned Rivets per 1000

Size - 1 lb. $1\frac{1}{4}$ lb. $1\frac{1}{2}$ lb. $1\frac{3}{4}$ lb. 2 lb. 3 lb.



No. 19 Annealed Wire
 Black or Galvanized
 12 Pounds Per Stone



Speco Sal Ammoniac
 Solid Sal Ammoniac outlasts any other Sal Ammoniac 5 times to one.

See Discount Sheet for Late Prices



FURNACE SUPPLIES

See Discount Sheet for Late Prices



Setting Hammers

No. 3

Weight
14 oz.

Face
 $\frac{7}{8}$ in.

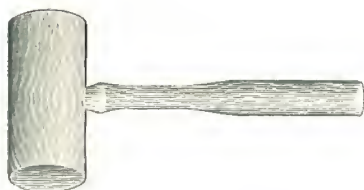


Riveting Hammers

No. 3

Weight
14 oz.

Face
 $\frac{7}{8}$ in.



Tinners Dog Wood Mallets
Barrel Shaped

	Face	Length	Handle
No. 2 $\frac{1}{2}$ D	2 $\frac{1}{2}$ in.	5 $\frac{1}{2}$ in.	9 in.
No. 3 $\frac{1}{2}$ D	3 $\frac{1}{2}$ in.	6 $\frac{1}{2}$ in.	10 in.



Tinners Rivet Sets

Size	For Iron Rivets
6	1 and 1 $\frac{1}{2}$ Pound
4	2 $\frac{1}{2}$ and 3 Pound

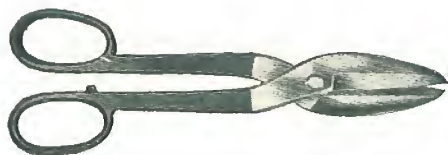


Berridge Double Cutting Snips
with Crimper Attached



Tinners Cold Chisels

Length,	Stock,	Width
6 in.	7-16 in.	$\frac{1}{2}$ in.
7 in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.
8 in.	$\frac{7}{8}$ in.	1 in.



Tinners Snips Nos. 7, 8, 9



Curved Blade No. 8

See Discount Sheet for Late Prices

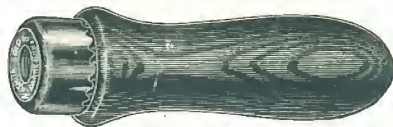
FURNACE SUPPLIES

See Discount Sheet for Late Prices



Furnaceman's Saw

Every Mechanic should have this valuable saw in his kit. Saves the cost on the first job.



SHUR-GRIP...The heat escapes through the hole in the direction indicated by arrows.

Kalon Solder Iron Handles

"It Screws on. Can't Come off.
Won't Burn. Pays For Itself

No. 7 for 1½ to 4 Pound Irons

No. 8 for 4 to 8 Pound Irons



U. S. Clinker Hook

An indispensable tool for your furnaces. Get a sample.



Furnace Poker



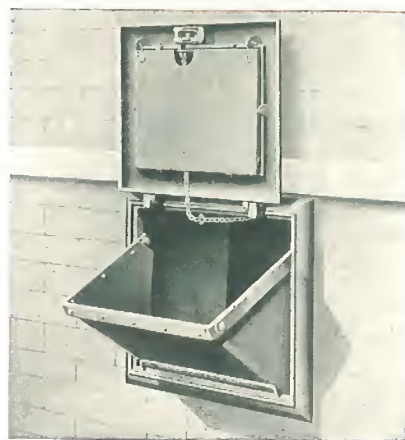
Rock Island Acid Swabs

They are cheaper than you can make them.
Packed in 1 dozen or 1 gross packages.

See Discount Sheet for Late Prices

FURNACE SUPPLIES

See Discount Sheet for Late Prices



Majestic Coal Chutes

A modern necessity for every Home, large or small. A size and price to suit each.

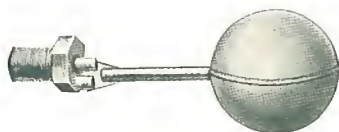
No.	Style	List Price	Width	Height	Depth	Description
M 10	A	\$15.75	24	17	13	Glass Panel, Hopper
M 20	A	30.00	33	22	18	Glass Panel, Hopper
M 203	B	24.00	23	22	18	Cast Door, Hopper
M 101	B	12.00	24	17	13	Cast Door, Hopper
M 500	-----	9.00	24	17	9	Cast Door, No Hopper
M 600	-----	13.20	24	17	9	Glass Panel, No Hopper
M 16	-----	33.00	(Opening 24 x 18)			Gradeline

Rock Island Humidifier Equipment

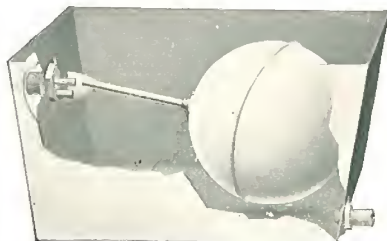


Rock Island Humidifier

Your skin requires Moisture the same as your lungs require Air. Health and Comfort is measured by the amount of Moisture in the Air we live in, therefore necessary that Moisture be added to Heated Air. This is Easily done by installation of our equipment for Automatic Control of the Moisture. Easily attached to any furnace.



Float Valve



Float Valve and Pan

See Discount Sheet for Late Prices



RULES FOR DETERMINING PIPE SIZES

The following information will be of great value to heating contractors for quick reference. While the accuracy of these rules and tables is not guaranteed by us, they are from accepted authorities and are the best obtainable. It must be remembered that no general rules can safely be used without variation to suit special conditions. These special conditions will be quickly recognized by the experienced contractor and the proper changes applied to each installation. After all, personal experience is a more valuable guide than any system or set of rules, and the "co-efficient of common sense" must be added to every formula.

SIZE OF PIPING

The simplest rule bases the pipe size on cubical contents of room, but if this system is used, it is essential to make due allowance for more than average glass surface, bad exposures, excessive distance from furnace and other adverse conditions. Determining pipe sizes by glass and wall surface is perhaps a safer rule where unusual conditions present themselves. We give below two rules which will be found of great assistance and which, used with proper judgment will be found very valuable.

One square inch of cross section area of pipe will heat, in ordinary residence work, from 20 to 25 cubic feet of space. This varies according to the construction of the building, the use of the room, and its exposure and distance from the furnace.

CUBICAL CONTENTS RULE

Living Rooms	Cubic Feet
One Side Exposed.....	23 to 28
Two Sides Exposed.....	20 to 25
Three Sides Exposed.....	15 to 20
Bath Rooms.....	15 to 20
Sleeping Rooms.....	25 to 35
Churches, Halls, etc.....	40 to 60

EQUIVALENT GLASS SURFACE RULE

One square inch of cross-section area of pipe will make up for the heat loss of approximately one square foot of glass surface. Therefore, reduce the exposed wall to its equivalent in glass surface. To do this—

Divide net wall surface (after deducting glass surface).

8" Brick (Furred and with air spaces).....	8
12" Brick (Furred and with air spaces).....	10
16" Brick (Furred and with air spaces).....	15
Good Wood Construction (Back Plastered or Stuccoed).....	15
Ordinary Wood Construction.....	10

Take the sum (in sq. ft.) of glass area, the wall surface reduced to glass area, and one per cent of the cubical contents, and the result will be the required pipe area in square inches for first floor

For second floor rooms, deduct 25 per cent to find pipe area.

For third floor rooms, deduct 33 1-3 per cent to find pipe area.

Where result comes between two pipe areas, use larger one.

Both these rules are based on zero temperature outside with a required temperature of 70 degrees. For every additional one degree difference in temperatures, add one per cent, and for less requirements, deduct the same.

Make due allowance for wind exposures. No definite rule for this can be given as prevailing winds and bad exposures differ in different localities. Generally speaking, north and west rooms should be favored.

Where pipes are of exceptional length, increase capacity accordingly.

All registers, register boxes (whether floor or side wall) and other fittings for first floor should have full capacity of pipe. On account, however, of the greater velocity in vertical pipes or wall stacks for second floor, their size can be about one-quarter smaller, and for third floor, one third smaller than lateral run of pipe.



CIRCUMFERENCE AND AREA OF CIRCLES

Dia.	Circumference	Area	Dia.	Circumference	Area
1	3.1416	.7854	19	59.69	283.52
2	6.283	3.1416	20	62.83	314.16
3	9.424	7.068	21	65.97	346.36
4	12.56	12.566	22	69.11	380.13
5	15.70	19.635	23	72.25	515.47
6	18.84	28.274	24	75.39	452.39
7	21.99	38.484	25	78.54	490.87
8	25.13	50.265	26	81.68	530.93
9	28.27	63.617	27	84.92	572.55
10	31.41	78.539	28	87.96	615.72
11	34.55	95.033	29	91.10	660.52
12	37.69	113.09	30	94.24	706.86
13	40.84	132.73	31	97.38	754.76
14	43.98	153.93	32	100.5	804.24
15	47.12	176.71	33	103.6	855.30
16	50.26	201.06	34	106.8	907.92
17	53.40	226.98	35	109.9	962.11
18	56.54	254.46	36	113.0	1017.08

CAPACITY OF REGISTERS

Size of Opening	Capacity in Square Inches	Size of Opening	Capacity in Square Inches
6x 8	32	16x18	192
8x10	53	16x20	214
8x12	64	16x24	256
9x12	72	18x21	252
10x12	80	20x20	167
10x14	93	20x24	320
12x14	112	20x26	347
12x15	120	21x29	406
14x16	150	24x24	417
14x18	168	27x27	486
14x20	197	27x38	684
14x22	205	30x30	600



TABLE OF CONTENTS

Illustrations of Registers Intallations.....	6, 7
Illustrations of Finishes.....	8, 9
Illustrations of Wall Settings.....	10, 11
NO STREAK Registers for First Foor.....	12, 13
NO STREAK Registers for Second Floor.....	14, 15
NO STREAK Registers Only.....	16
NO STREAK Boxes Only.....	17
Single Fittings for NO STREAK Registers.....	18
Handy Double Fittings for NO STREAK Registers.....	19
OUT-O-WALL Register.....	20, 21, 22
Rock Island Cold Air Faces.....	23
Island City Registers.....	24
Single and Double Fittings for Island City Registers.....	25
Rock Island Special Registers.....	26, 27
Rock Island Special Heads and Boot.....	28, 29
Rock Island Special Register Settings.....	30, 31
Burgess Convex Registers.....	32
Floor Registers, Borders and Faces.....	33
Steel Grilles.....	34
Round Registers, Borders and Faces.....	34
Wire Grilles.....	34
Adjustable Ceiling Ventilator.....	35
Adjustable Side Wall Ventilator.....	35
Wood Faces.....	36, 37
Handy Double Pipe.....	38, 39
Handy Double Elbows.....	40, 41
Handy Double Tees.....	42
Handy Double Boots.....	43
Handy Double Heads.....	44, 45
Single Wall Pipe and Fittings.....	46, 47
Round Tin Pipe and Floor Boxes.....	48
Cold Air Shoes.....	49
Round Galvanized and Black Pipe and Fittings.....	50, 51
Casing Bonnets and Square Galvanized Pipe.....	52
Minneapolis Regulators, Pulleys, Chain, Chain Plates and Indicator Handles.....	53
Damper Quadrants, Dampers, Check Dampers and Damper Clips.....	54
Chimney Caps, Chimney Tops, Water Heaters, Fule Thimbles,	
Ash Pit Decrs, Shakers.....	55
Asbestos Paper, Asbestair, Dry Paste, Dry Cement, Soot Remover,	
Furnace and Roofing Cement.....	56
Sheet Metal Screws, Punches, Stove Bolts, Tinned Rivets, Wire,	
Sal Ammoniac.....	57
Hammers, Mallets, Rivet Sets, Chisels and Tinnors Snips.....	58
Furnacemans Saw, Solder Iron Handle, Clinker Hook, Poker, Acid Swabs.....	59
Majestic Coal Chutes, Humidifier and Float Valve.....	60
Rules for Determining Pipe sizes.....	61
Tables of Areas and Capacities.....	62



